

Caesalpiniaceae
of
Northern South America

Br. Hon. N. L. & J. N. Rose

Is Clathro within this family? N.B. 1871: 359

Caesalpiniaceae

- Vogelecarina -
no specimens of V.
leiosperma from N.B.C.
but it must occur

Northern South America

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56a

19. *Pyrecaete* *Mura*

55. *Brassica grandiceps* -

100 *Epineurite*

101. *E. n. leana*

See *Pandora* H. B. 1931 - *hiding* -

Bauhinia [Mun. J. L.

Type species: *Bauhinia aculeata* L.

2

~~*Bauhinia* in northern South America~~

1. *Bauhinia* *Pauletia* Pers. Syn. 1: 455. 1805.

- X (?) *Bauhinia emarginata* Mill. Gard. Dict. ed. 8. no. 5. 1768.
Bauhinia spinosa Poir. in Lam. Encycl. Suppl. 1: 599. 1810.
? *Pauletia multinervia* H.B.K. Nov. Gen. 6: 316. 1824.
Bauhinia multinervia DC. Prodr. 2: 515. 1825.

Type locality: Panama.

Distribution: Trinidad [Britton, Hazen & Broadway 2009;
Williams 11841]; Venezuela [Rose 21960]; Colombia [Killip & Smith
14300 ^{Reverel 20 J}]; Porto Rico. Sinaloa to Panama.

Illustration: Cav. Icon. pl. 410, as *B. aculeata*.

2. *Bauhinia caudigera* Blake, Contr. U. S. Nat. Herb. 20: 522. 1924.

Type locality: Guaremales, Carabobo, Venezuela.

Distribution: Venezuela [Pittier 8851, 8914]

3. *Bauhinia glaucescens* (H.B.K.) DC. Prodr. 2: 515. 1825.

Pauletia glaucescens H.B.K. Nov. Gen. 6: 316. 1824.

Type locality: Caripe, Cumana, Venezuela.

Distribution: Known only from the type locality and to me
from the description of the barren type specimen only.

Note. Unknown to Mr. Pittier, 1928.

X *B. emarginata* Mill

Cartagena - Not at Washington Oct. 1932

3
4. Bauhinia megalandra Griseb. Fl. Br. W. Ind. 213. 1860.

Type locality: St. Kitts.

Distribution: Trinidad [Broadway] Venezuela [Pittier 5982; Broadway 635]; St. Vincent; St. Kitts; Antigua.

5. Bauhinia Benthamiana Taubert, in Engl. & Prantl. Nat. Pflf. 3²:
149. 1892.

Bauhinia macrostachya Benth. Journ. Bot. Hook. 2: 96. 1840. Not Wall.

Type locality: British Guiana.

Distribution: British Guiana (ex Bentham); Venezuela ? Brazil. ✓

Note. ~~Not in New York Herbarium, May, 1928.~~

6. Bauhinia mirandina Pittier, Arb. & Arb. Ven. 87. 1927.

Type locality: Los Mariches, Miranda, Venezuela.

Distribution: Venezuela [Pittier 11783, 11571, ? 11989]

6 e ? B. multivenia HBK Venezuela ? yes. -
Rec.

7. Bauhinia Bredemeyeri Vogel, Linnaea 13: 302. 1839.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 8927, 12057; Fendler 335; Box 32]

Note. Distinct from B. Pauletia ?

4
8. Bauhinia unguolata L. Sp. Pl. 374. 1753.

Pauletia inermis Cav. Ic. 5: 6. 1799.

Bauhinia inermis Pers. Syn. 1: 445. 1805.

Bauhinia Cavanillei Millsp. Field Col. Mus. Bot. 1: 364. 1898.

Type locality: America.

Distribution: Venezuela [Pittier 10867, 11301; Bailey 1436];

Colombia [Pennell 3977] Guerrero to Panama.

(K.S. 14300; 14428)

9. Bauhinia aculeata L. Sp. Pl. 374. 1753.

Bauhinia ungula Jacq. Fragm. 22. 1801.

Type locality: tropical America.

Distribution: Venezuela [Pittier 6425¹²¹⁹⁴; Rose & Rose 21655];

Colombia [~~Funcke & Schlim 19; Holton~~]

Illustration: Jacq. Fragm. pl. 15, f. 1; Jacq. Stirp. Am.
pl. 177, f. 2.

10. Bauhinia mollifolia Pittier, Arb. & Arb. Ven. 88. 1927.

Type locality: between San Rafael and Agua Blanco, Cojedes,
Venezuela.

Distribution: Venezuela [Pittier 11726]; Colombia [Killip &
Smith 16242, 16525, 16528^{no 886}]

5
11. Bauhinia glandulosa (H.B.K.) DC. Prodr. 2: 513. 1825.

Pauletia glandulosa H.B.K. Nov. Gen. 6: 314. 1824.

Type locality: Nueva Barcelona.

Distribution: ? Venezuela [Pittier 9695 ?] See Pittier.

12. Bauhinia mollicella Blake, Contr. Gray Herb. 53: 32. 1918.

Type locality: Vicinity of Las Cumbres, Venezuela. = mollicella

Distribution: Venezuela [Curran & Haman 1024] Colombia

[Killip & Smith 20886]

Note. See Pittier 12781, and compare B. Mollifolia Pittier.

13. Bauhinia picta (H.B.K.) DC. Prodr. 2: 515. 1825.

Pauletia picta H.B.K. Nov. Gen. 6: 316. 1824.

Type locality: Magdalena River, Colombia at Confluence (cf. H.B.K.)

Distribution: Known to me from description only. See Killip

Smith 19066. - Photo of type -

14. Bauhinia grandiflora Juss.; Poir. in Lam. Encycl. Suppl. 1: 600.

1810.

Type locality: Peru.

Distribution: Ecuador [Hitchcock 20018, 21143; Rose & Rose

22454; Mille; André ? 4317] Peru.

~~Java~~ Virey. Inga

✓ 13028 Java

✓ 13332 Carachensis

✓ 9859 Caracosoma

✓ 13157 grandifolia

13040 Camurensis

✓ 12883 Mendensis

✓ 10925 riparia

Those checked we have, &
I have compared with

Col. species

9/1 + 100

6
15. Bauhinia petiolata (Mutis) Triana; Hook. Bot. Mag. pl. 6277. 1877.

Amara petiolata Mutis, Sem. Nuev. Gran. 25. 1810.

X
Type locality: New Granada.

Distribution: Colombia [Triana 4412]

16. Bauhinia sessilifolia (Mutis)

Amara sessilifolia Mutis, Sem. Nuev. Gran. 25. 1810.

X
Type locality: New Granada.

Distribution: Known only from Colombia.

Note. Not in New York Herbarium, May, 1928.

Will send me what may be it

17. Bauhinia magnifica Rose, ined.

Vicinity of Portovelo, Ecuador [Rose & Rose 23376]

*See Rose's description & check against
R. grandiflora*

18. Bauhinia duranensis Britton, provisional

Vicinity of Duran, Ecuador [Rose & Rose 23589]

19. Bauhinia Dobbieorum Rose, ined.

Vicinity of Huigra, Ecuador [Rose & Rose 22119, type;

Hitchcock 20625]

Description written

7
20. Bauhinia Seminarioi Harms, Bot. Centr. 73: 53 (69) 1898.

Type locality: Ecuador.

Distribution: Known only from type specimen (Eggers 14925)

Note. A prickly species, not in New York Herbarium.

Specimen probably at Washington

21. Bauhinia incurva Britton, provisional

In yard, Bucaramanga, Santander, Colombia [Killip & Smith 14978]

*descr. written [not at Washington, Oct 1928]
[send photo to Killip]*

22. Bauhinia cinnamomea DC. Prodr. 2: 517. 1825.

Type locality: Cayenne. French Guiana.

Distribution: Known to me only from description.

Note. Leaves undivided - Schnella ?

23. Bauhinia antioquiensis Britton, provisional

Puerto Berrio Antioquia, Colombia [Pennell & Rusby 43] ~~See Killip~~
& Pennell 19066, in fruit, perhaps the same species. 19066 ? *hista*

descr. written

(63)
24. Bauhinia Ellertsii Pulle, Rec. Trav. Bot. Neerl. 6: 269. 1909.

Type locality: Surinam.

Distribution: Known to me from description only.

Note. See Fedde, Repert. 10: 287.

Key to species; Banana from Canada

Petals red spreading only a little at the tip, ^{branches} not shiny

1 B. adpressum

Petals white; branches ~~usually~~ shiny (perhaps usually, species to 10-3)

Leaves glabrous; calyx glabrous

2 B. sempervirens

Leaves pubescent; calyx pubescent.

Flower very large (2 dm broad) 3 B. magnifica

Flowers much smaller than the last

4 B. ~~andersonii~~ ^{andersonii}

8
25. Bauhinia Versteegii Pulle, Enum. Vasc. Pl. Surinam 213. 1906.

Type locality: Upper Gonini River, Dutch Guiana.

Distribution: Known only from the type locality, and to me only from description and illustration.

Illustration: Pulle, loc. cit. pl. 11.

Note: Species with oblong, entire, acuminate leaves. Stamens 10, all antheriferous.

26. Bauhinia bicuspidata Benth. in Mart. Fl. Bras. 15²: 193. 1870.

Type locality: Yapuri, Alto Amazonas, Brazil.

Distribution: Dutch Guiana (ex Pulle). Brazil.

27. Bauhinia Kalbreyeri Harms, Repert. 19: 65. 1923.

Type locality: Murri, Antioquia, Colombia.

Distribution: ~~Known only from type locality, and to me from description only. Leaves 15-22 cm. long, 10-15 cm. wide.~~

Handwritten: 28 Bauhinia Toroana Britton, provisional
28. Bauhinia Toroana Britton, provisional

Armenia, near Medellin, Colombia [Toro 790]

9
29. Bauhinia angustiloba Britton, provisional

Isla brava, Magdalena River, Colombia [André 355] Specimen
barren.

30. Bauhinia acuminata L. Sp. Pl. 375. 1753.

Type locality: India.

Distribution: Dutch Guiana (ex Pulle)

Note. This is an Asiatic species.

31. Bauhinia

Venezuela: [Pittier 6460; Curran & Haman 1059]

32. Bauhinia

Venezuela [Pittier 11208] See B. unguolata.

33. Bauhinia ^{ata}rotundifolia Mill. Gard. Dict. ed. 8, no. 5. 1768

Type locality: Cartagena, "New Spain"

Distribution: Species known to me only from the original
description.

Just at Newington, Oct. 1932

34. Hamulus Polyleptus Herms, Rept. St. Louis

24: 210. 1938

(10)

Type locality: Upper Rio Tiro, Nueva Granada de
Santa Marta, Colombia. [E. P. Hulse - 1933]

Genotype: ~~Hamulus~~ ~~Polyleptus~~ ~~Herms~~ ~~Rept.~~ ~~St. Louis~~ ~~1932~~
Note: ~~the type specimen is~~ ~~not at~~ ~~Washington~~ ~~Det.~~ ~~1932~~

Note: ~~Hamulus~~ ~~Polyleptus~~ ~~Herms~~ ~~Rept.~~ ~~St. Louis~~ ~~1932~~

35. Hamulus Polyleptus Herms, Rept. St. Louis

24: 211. 1931

Type locality:

Colombia

Hamulus?

Schnella Raddi
Type & Locality: Schnella maritima Raddi (11)
2 Schnella in northern South America

1. Schnella excisa Griseb. Fl. Br. W. Ind. 214. 1860.

Bauhinia excisa Hemsl. Bot. Biol. Contr. Am. 1: 337. 1879-1888.

Type locality: Irais, Trinidad.

Distribution: Trinidad [Dannouse; Broadway 2218, 7650;

Britton, Freeman & Nowell 2580; Britton & Hagan 1198]

Panama (ex Grisebach)

2. Schnella heterophylla (K^unth) *Kunth, Verh. Bot. Ver. 1819*

Bauhinia heterophylla Kunth, Mim. 157. 1819.

Type locality: Aragua and Puerto Cabello, Venezuela.

Distribution: Venezuela [Pittier 10612]

Illustration: Kunth, loc. cit. pl. 46.

3. Schnella cumanensis (H.B.K.) *Britton & Rose, K. Bul. Fl. 23: 206. 1930*

Bauhinia cumanensis H. B. K. Nov. Gen. 6: 521. 1824.

Schnella brachystachya Benth. Journ. Bot. Hook. 2: 98. 1840.

Type locality: Cumana, Venezuela.

Introduced (Britton & Rose 1727);
Distribution: Venezuela [Pittier 9149, 11080, 11962; E.

Pittier 23; Rose & Rose 21765; Curran & Haman 533]; Margarita

[Miller & Johnston⁷⁰; Dutch Guiana (ex Pulle); British Guiana

(ex Bentham) *Cuba*

Note. Determined from description - See Pittier Arb. & Arb.

Leg. 93. ~~See Cuban plant.~~

12
4. Schnella colombiensis (Vogel) Benth. Bot. Voy. Sulph. 89. 1844.

Bauhinia colombiensis Vogel, Linnaea 13: 313. 1839.

~~Schnella longipetala Benth. Journ. Bot. Hook. 2: 98. 1840.~~

~~Bauhinia longipetala Walp. Repert. 1: 852. 1842.~~

(?) Bauhinia glabra Jacq. Enum. 20. 1760.

Type locality: Carthagená, Colombia.

Distribution: British Guiana (ex Benthám); Colombia [Killip & Smith 14085, 14218, 14441, 14632, 14235, 14692; Funcke & Schlim 611; Heriberto 482; H. H. Smith 21; Rusby & Pennell 346; Elias 452]; Venezuela [Broadway 305] Brazil. (C)

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 53, f. 2; (?)

(?) Jacq. Stirp. Am. pl. 173, f. 3.

4a Schnella longipetala = 84-
5 Schnella longipetala = 84-
5. Schnella trinitensis Britton, provisional

Chacachacare, Trinidad [Britton & Hazen 1727]

As Schnella written

with draw =

some various

6. Schnella splendens (H.B.K.) Benth. Journ. Bot. Hook. 2: 97. 1840.

Bauhinia splendens H.B.K. Nov. Gen. 6: 321. 1824.

Type locality: Orinoco River.

Distribution: British Guiana [La Cruz 3699] Venezuela (ex Pittier). Guadeloupe. Brazil

7. Schnella rutilans (Spruce)

Bauhinia rutilans Spruce; Benth. in Mart. Fl. Bras. 15²: 206. 1870.

Type locality: Esmeralda, Orinoco River, Venezuela.

13

Distribution: Known only from the type locality, ~~and to me~~
~~only from description and illustration.~~

Illustration: Benth. loc. cit. pl. 53, f. 1.

8. Schnella cordata Britton, provisional.

British Guiana [La Cruz 1742 type; Jenman 3627]

Schnella cordata Britton

9. Schnella Kunthiana (Vogel)

Bauhinia Kunthiana Vogel, Linnaea 13: 312. 1839.

Bauhinia rosea Miquel, Linnaea 18: 588. 1844.

Schnella rosea Walp. Rep. 5: 572. 1846.

Type locality: French Guiana.

Distribution: French Guiana and Dutch Guiana (according to
Bentham); British Guiana [Schomburgk 807; Jenman 6317, 7083,
7599; La Cruz 2499, 2471, 2735, 4340, 4418]; Dutch Guiana
(ex Pulle)

Schnella Kunthiana Vogel

10. Sehnella macrostachya Raddi, Mem. Mod. 18: Fis. 411. 1820.

Bauhinia Raddiana Bong. Mem. Acad. St. Petersb. VI 4: 3. 1836.

Type locality: (Brazil)

Distribution: Colombia [André 1049] *Klug 1751* Brazil.

Illustrations: Raddi, loc. cit. f. 4; Bong. loc. cit. pl. 3.

14
11. Schnella vestita Benth. Pl. Hartw. 171. 1839.

Bauhinia vestita Macbride, Contr. Gray Herb. 59: 22. 1919.

Type locality: Pandi, Bogota, Colombia.

Distribution: Colombia [Hartweg 962; Holton 988; André
1737 bis; Triana 4410; Rusby & Pennell 1152, 1158]

12. Schnella Outimonta (Aubl.)

Bauhinia Outimonta Aubl. Pl. Guian. 1: 375. 1775.

Type locality: Guiana.

Distribution: Known to me only from description and
illustration. Dutch Guiana (ex Pulle)

Illustration: Aubl. loc. cit. pl. 144.

13. Schnella guianensis (Aubl.)

Bauhinia guianensis Aubl. Pl. Guian. 1: 377. 1775.

Type locality: Guiana.

Distribution: Known to me only from description and
illustration. Dutch Guiana (ex Pulle)

Illustration: Aubl. loc. cit. pl. 145.

14. Schnella coronata (Benth.)

Bauhinia dubia Vogel, Linnaea 13: 314. 1839. Not G. Don.
Bauhinia coronata Benth. in Mart. Fl. Bras. 152: 209. 1870.

Type locality: French Guiana.

Distribution: Known to me only from description. Dutch
Guiana (ex Pulle)

Note. Leaves divided to the base, as in the two preceding
species, and the following one.

15. Schnella superba (Steud.)

Bauhinia speciosa Vogel, Linnaea 13: 314. 1839. Not Roxb.
Bauhinia superba Steud. Nom. ed. 2, 1: 192. 1840.

Type locality: French Guiana.

Distribution: Known to me from ~~description only~~. *Photograph of type*

specimen only

16. Schnella ? nitida Britton, provisional

Colombia [André 1938, type; Triana] ~~See 18. S. Steubeliana.~~

det. W. H. Hillebrand

17. Schnella Poiteauana (Vogel)

(?) Bauhinia Richardiana DC. Prodr. 2: 517. 1825.
Bauhinia Poiteauana Vogel, Linnaea 13: 309. 1839.

Type locality: French Guiana.

Distribution: Known to me from ~~description only~~. *Photograph of type specimen*

only

16
18. Schnella Steubeliana (Harms)

Bauhinia Steubeliana Harms, Repert. 19: 65. 1923.

Type locality: Between Honda and Bogota, Colombia.

Distribution: Known to me ~~only~~ from description of the
type specimen. *only.* *leaves 2-3-lobed late*

19. Schnella (?) Hostmanniana (Miquel)

Bauhinia Hostmanniana Miquel, Verh. Nat. Wet. Haarl. 7: 10. 1851.

Type locality: Dutch Guiana.

Distribution: Dutch Guiana. Species unknown to me.

20. Schnella hymenaefolia (Triana) B. & R. *N. Amer. Flora 23: 208. 1930*

Bauhinia hymenaefolia Triana; Hemsl. Diag. Pl. Mex. 3: 48. 1880.

Type locality: El Paraiso, Panama.

Distribution: Colombia. Panama

Note: Not in New York Herbarium, May, 1928.

21. Schnella rubiginosa (Bong.) Benth. Journ. Bot. Hook. 2: 97. 1840.

Bauhinia rubiginosa Bong. Mem. Acad. St. Petersb. VI. 4: 4. 112.
1836.

Type locality: (Brazil)

Distribution: British Guiana (ex Benth) Brazil.

Note: Schomburgk, 115, is in National Herbarium.

22. Pelecella Piquetirari (Banks)
Haeussler Piquetirari Bank, Oceania, Ind. Nat.
Rio Janeiro 3: 108. 1922
Type locality: Teixeira, Estancia de Santa Maria, Brazil
Distribution: Brazil, Guiana (Piquetirari 1922).
Brazil.

23. Pelecella longipetala (Walp.) Haeussler
Haeussler longipetala Walp. Ref. 2: 852
Type locality
Distribution: Colombia and British Guiana
and Peru (see Haeussler) Brazil
not at present known from Colombia
Oct. 1932

24. Pelecella Mutisii H. & K
Colombia (Mutis 1875)

25. Pelecella virens H. & K
Colombia (Mutis 4218) [? Holton 989]

26. Pelecella steris H. & K
Colombia (Mutis 446)

Caspariopsis Britton & Rose
Type species: *Bauhinia monandra* Kurz

(18)

3 ~~Caspariopsis~~ in northern South America

1. Caspariopsis monandra (Kurz) Britton & Rose, N. Amer. Flora 23: 217. 1915

Bauhinia monandra Kurz, Journ. Asiat. Soc. Bengal 42²: 73. 1873.

Bauhinia Kappleri Sagot, Ann. Sci. Nat. VI. 13: 317. 1882.

Bauhinia Krugii Urban, Ber. Deutsch. Bot. Gesell. 3: 83. 1885.

Type locality: (India)

Distribution: Venezuela [Pittier 6325; Saer 197] Colombia

[Toro 249]; French Guiana; Dutch Guiana (ex Pulle); Widely

distributed in the West Indies. Native of tropical Asia.

41
Agave etc. Mora & Dimorphandra
19
4 Dimorphandra in northern South America

1. Dimorphandra excelsa (Benth.) Baill. Hist. Pl. 2: 167. 1870.

Mora excelsa Benth. Trans. Linn. Soc. 18: 210. 1839.

Dimorphandra guianensis Baill. Hist. Pl. 2: 149. 1870.

Dimorphandra Mora Benth. & Hook. Gen. Pl. 1: 588. 1865.

Type locality: British Guiana.

Distribution: Trinidad [Trin. Herb. 10172, 11255, 11333, 11341, 11342, 11343, 11344, 11348, 11467, 11468, 11469; Britton, Freeman & Nowell 2531; Britton & Hazen 419]; British Guiana [Schomburgk 496; Jenman 4327, 5096; La Cruz 1627; Persaud 81, 82, 172]; Venezuela (ex Pittier)

Illustration: Benth. loc. cit. pl. 16, 17.

2. Dimorphandra Gleasoni Rose [ined]

British Guiana [Gleason 214 type, 247; ? Hitchcock 17089]

- Mora megistosperma (Pittier) Rose, Journ. Wash. Acad. Sci. 23: 1880
3. Dimorphandra megistosperma Pittier, Journ. Wash. Acad. 5: 472. 1915.

Type locality: near Sumacate, Darien, Panama.

Distribution: Colombia [Killip 5217]. Panama.

Illustration: Standley, Contr. U. S. Nat. Herb. 27: pl. 35.

20
4. Dimorphandra conjugata (Splitg.)

Mora conjugata Splitg. in Hoev. & de Vriese, Tijdschr. 9: 109. ^

1842.
Dimorphandra latifolia Tulasne, Arch. Mus. Paris 4: 149. 1844.

Type locality: Guiana.

Distribution: British Guiana [Jenman 3932; Abraham 150;

Gleason 748; La Cruz 1178], Brazil

5. Dimorphandra macrostachya Benth. Journ. Bot. Hook. 2: 101. 1840.

Type locality: Mount Raraima, British Guiana.

Distribution: Mt. Roraima, British Guiana [Jenman 39]

6. Dimorphandra unijuga Tulasne, Arch. Mus. Paris 4: 185. 1844.

Type locality: Brazil.

Distribution: Rio Negro, Venezuela (~~ex Pittier~~) Brazil.

Note. Not in New York Herbarium.

7. Dimorphandra vernicosa Spruce; Benth. in Mart. Fl. Bras. 15²:

249. 1870.

Type locality: San Carlos, Venezuela.

Distribution: Venezuela and northern Brazil (~~ex Benth~~)

Illustration: Benth. loc. cit. pl. 66.

8. Dimorphandra pennigera Tulasne, Arch. Mus. Paris 4: 187. 1844.

Type locality: Brazil.

Distribution: Upper Amazon, Venezuela (~~ex Pittier~~)

~~Note: Not in New York Herbarium.~~

9. Dimorphandra ?

Tumatumari, British Guiana [Gleason 163]

10. Dimorphandra polyandra Benoist, Notul. Syst. 3: 272. 1916.

Type locality: Charvein, French Guiana.

Distribution: Known only from the type locality, and to me from description only.

11. Dimorphandra oblongifolia Tulasne; Tournef.
Arch. Bot. Paris, Bot. 1: 842. Hypomysces, 1880
Type locality: French Guiana
Distribution: Lower Guiana [Tulasne 4410] Panama
[see Tulasne's description]

12. Dimorphandra Youngii Klein, Rec. Trav.
Bot. Neesb. 22: 410. 1926

Type locality: French Guiana

Distribution: Guiana, French Guiana, Guiana
Guiana

Poeppigia procera Presl.
Type species: Poeppigia procera Presl.
5. Poeppigia in northern South America

22

1. Poeppigia procera Presl, Symb. Bot. 1: 16. 1830.

Poeppigia ferruginea Tulasne, Arch. Mus. Paris 4: 120. 1844.

Poeppigia excelsa A. Rich. Ess. Fl. Cub. 484. 1845.

Type locality: Cuba.

Distribution: Colombia [H. H. Smith 261]; (?) Venezuela (see Pittier). Cuba. Guerrero to El Salvador. Brazil.

Illustrations: Presl. loc. cit. pl. 8; Benth. in Mart. Fl. Bras. 15²: pl. 14; A. Rich, in Sagra, Hist. Cub. pl. 39.

Campsiandra Benth.
Jenman 3915, 5253 - *Campsiandra* comosa Benth.

23

6 Campsiandra in northern South America

1. *Campsiandra comosa* Benth. Journ. Bot. Hook. 2: 93. 1840.

Type locality: British Guiana.

Distribution: British Guiana [Jenman 3915, 5253] Venezuela (ex Pittier)

2. *Campsiandra laurifolia* Benth. Journ. Bot. Hook. 2: 94. 1840.

Campsiandra rosea Poepp. & Endl. Nov. Gen. 3: 62. 1845.

Type locality: Rio Negro.

Distribution: Venezuela [Bailey 1153]. Brazil.

Illustrations: Poepp. & Endl. loc. cit. pl. 268; Benth. in Mart. Fl. Bras. 15²: pl. 15.

3. *Campsiandra parvifolia* Klein & Reiche.
Bot. Rev. 22: 406. 1956.

Type locality: Parí, Venezuela

Distribution: Parí, Venezuela

Illustrations: Klein & Reiche, loc. cit. p. 15.

Peloro lobium Vogel
Type species: Peloro lobium densatum Vogel 24
} Sclerolobium in northern South America

1. Sclerolobium guianense Benth. Kew Journ. Bot. 2: 237. 1850.

Type locality: Cayenne.

Distribution: French Guiana [Melinon]; British Guiana (ex
Bentham). Brazil.

2. Sclerolobium Melinonii Harms, Bot. Jahrb. 33: Beibl. 72: 24. 1903.

Type locality: French Guiana.

Distribution: French Guiana [Melinon]

3. Sclerolobium albiflorum R. Ben. Bull. Soc. Bot. France 66: 383. 1920.

Type locality: Charvein, French Guiana.

Distribution: French Guiana. Known to me only from description.

4. Sclerolobium odoratissimum Spruce; Benth. in Mart. Fl. Bras. 15²:
48. 1870.

Type locality: Rio Negro, near San Carlos, Venezuela.

Distribution: Known only from the type locality ~~and to me from~~
~~description only.~~

5. Sclerolobium paraense Huber, Bol. Mus. Goeldi 6: 79. 1910.

Type locality: Between Para and Braganca, Brazil.

Distribution: French Guiana (according to Benoist). Brazil.
Known to me from description only.

Cynometra L
Type Species: Cynometra cauligera L
8 Cynometra in northern South America 26

1. Cynometra bauhiniaefolia Benth. Journ. Bot. Hook. 2: 99. 1840.

Type locality: British Guiana

Distribution: British Guiana

Note. Schomburgk 231 is in National Herbarium

2. Cynometra Hostmannii Tulasne, Arch. Mus. Paris 4: 180. 1844.

Type locality: Dutch Guiana.

Distribution: French Guiana [Melinon]; British Guiana [Jenman 1859]; Dutch Guiana [Hostmann & Keppler]

3. Cynometra Martiana (Hayne) Macbride, Contr. Gray Herb. 59: 19. 1919.

Trachylobium Martianum Hayne, Flora 10²: 744. 1827.

Cynometra Spruceana Benth. in Mart. Fl. Bras. 15: 247. 1870.

Type locality: Brazil.

Distribution: Rio Negro, Venezuela (ex Bentham, ex Pittier)
Brazil.

Illustrations: Benth, loc. cit. pl. 65; Hayne, loc. cit. pl. 7.

4. Cynometra Schottiana Hochr. Bull. N. Y. Bot. Gard. 6: 275. 1910.

Type locality: Atrato, Truando River, Colombia.

Distribution: Atrato, Colombia [Schott]

27
5. Cynometra trinitensis Oliver in Hook. Ic. Pl. 25: pl. 2443, 1896.

Type locality: Trinidad.

Distribution: Trinidad [Broadway; Britton 1183]

Illustration: Oliver, loc. cit.

Note. Both specimens from planted trees.

6. Cynometra marginata Benth. Journ. Bot. Hook. 2: 100. 1840.

Type locality: not cited.

Distribution: British Guiana [See Schomburgk 777]; French Guiana
(ex Bentham)

7. Cynometra parvifolia Tulasne, Arch. Mus. Paris 4: 181. 1844.

Type locality: Surinam (?)

Distribution: Dutch Guiana [Hostmann 204]

8. Cynometra fissicuspis Pittier, Arb. & Arb. Legum. 132. 1928.

Copaifera fissicuspis Pittier, Arb. & Arb. Venez. 26. 1923.

Type locality: Rio Lara, Zulia, Venezuela.

Distribution: Venezuela [Pittier 10933]

9. Cynometra sphaerocarpa Pittier, Arb. & Arb. Legum. 132. 1928.

Type locality: Coast of Venezuela - no specimen cited.

10. Cynometra (?)

Surinam [Schweinitz]

Note. Rodschiedia surinamensis

is said in Index Kewensis to be a Securidaea [Elsoto]

Prioria Griseb.
Type species: *Prioria copaiifera* Griseb. 29

~~Prioria in northern South America~~

1. Prioria copaifera Griseb. Fl. Brit. W. Ind. 215. 1860.

Type locality: near Bath, Jamaica.

Distribution: Colombia [Dawes 888] . Panama Nicaragua
Jamaica.

30

Copaiva Jacq.
Syn. speciosa: to ...

10 Copaiva in northern South America

1. Copaiva officinalis Jacq. Enum. Pl. Carib. 21. 1760.

Copaifera officinalis L. Sp. Pl. ed. 2, 557. 1762.

Copaifera Jacquinii Desf. Mem. Mus. Paris 7: 376. 1821.

Copaifera Jacquiniana Don. Gen. Syst. 2: 455. 1832.

Type locality: Brazil (?)

Distribution: Venezuela [Mell; Teji^{ra}]

Illustrations: Jacq. Sel. Stirp. Am. pl. 86; Lam. Ill. pl. 342.

Note. See Pittier's description, Arb. & Arb. Legum. 133.

2. Copaiva venezuelensis (Harms & Pittier)

Copaifera venezuelensis Harms & Pittier, Arb. & Arb. Venez. 93.
1927.

Type locality: Rio Portugueso, Venezuela.

Distribution: Venezuela [Pittier 10975, 10991; ? Bailey 1423;
Broadway 308].

3. Copaiva guianensis (Desf.)

Copaifera guianensis Desf. Mem. Mus. Paris 7: 376. 1821.

Type locality: Rio Negro, Guiana.

Distribution: French Guiana; Dutch Guiana [Hostmann 264] Brazil.

Illustrations: Desf. loc. cit. pl. 13; Hayne, Arzn. 10: pl. 13.

4. Copaiva pubiflora (Benth.)

Copaifera pubiflora Benth. Journ. Bot. Hook. 2: 101. 1840.
Copaifera Martii pubiflora Benth. in Mart. Fl. Bras. 15²: 244.
1870.

Type locality: British Guiana.

Distribution: British Guiana (ex Benth). Brazil.

Note. Co-type in National Herbarium.

5. Copaiva Langsdorffii (Desf.)

Copaifera Langsdorffii Desf. Mem. Mus. Paris 7: 377. 1821.

Type locality: Brazil.

Distribution: Venezuela (Tagera 77 in National Herbarium, ex
Rose in litt). Not listed by Pittier. Brazil.

6. Copaiva ?

British Guiana [Jenman 2156]. Obtained from Trinidad - Leaflets
elliptic, rounded.

7. Copaiva canina (Lamour.)

Copaifera canina Lamour., Repert. H. Her.
24: 210. 1928.

Type locality:
La. de la Cruz de Humana, Santa Marta, Colombia
(Arnold, Phyt. 248)

Distribution: Known to me only from description
[No specimen at Kew, Oct. 1932]

Apalatoa Aubl
Type species: *apalatoa spicata Aubl*

32

// ~~Apalatoa in northern South America~~

1. Apalatoa glaberrima (Steud.) Taubert, Bot. Centrabl. 47: 394. 1891.

Hirtella glaberrima Steud. Flora 26: 761. 1843.

Crudya obliqua Griseb. Fl. Brit. W. Ind. 216. 1860.

Crudya glaberrima Macbride, Contr. Gray Herb. 59: 20. 1919.

Type locality: Surinam.

Distribution: Tobago [Broadway 3794; Eggers 5738]; Trinidad [Trin. Herb. 449, 7237; Britton 2888]; French Guiana [Melinon]; Dutch Guiana (ex Benth); Venezuela (Orinoco, ex Pittier); British Guiana [Schomburgk 841; Jenman 3778].

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 62.

2. Apalatoa spicata Aubl. Pl. Guian. 1: 383. 1775.

Apalatoa guianensis Lam. Encycl. 1: 208. 1783.

Crudia Schreberi Gmel. Syst. 674. 1796.

Crudia bracteata Benth. Journ. Bot. Hook. 2: 101. 1840.

Crudia spicata Willd. Sp. Pl. 2: 539. 1899.

Type locality: French Guiana.

Distribution: French Guiana (ex Aubl.); Dutch Guiana [Kegel 454]; British Guiana (ex Benth)

Illustration: Aubl. loc. cit. pl. 147.

3. Apalatoa tomentosa (Aubl.) Taubert, Bot. Centralb. 47: 394. 1891.

Parivoa tomentosa Aubl. Pl. Guian. 2: 759. 1775.

Crudia Parivoa DC. Prodr. 2: 520. 1825.

Dimorpha tomentosa Willd. Sp. Pl. 3: 971. 1800.

Type locality: French Guiana.

Distribution: Known to me only from description and illustration.

Illustration: Aubl. loc. cit. pl. 304.

4. Apalatoa pubescens (Spruce) Taubert, Bot. Centralb. 47: 394. 1891.

Crudia pubescens Spruce; Mart. Fl. Bras. 15²: 240. 1870.

Type locality: Santarem, Amazon River, Brazil.

Distribution: French Guiana [from Herb. Jussieu] Brazil.

5. Apalatoa aromatica (Aubl.) Taubert, Bot. Centralb. 47: 394. 1891.

Touchiroa aromatica Aubl. Pl. Guian. 1: 385. 1775.

Crudia aromatica Willd. Sp. Pl. 2: 540. 1799.

Type locality: Forests of Guiana.

Distribution: Known to me only from description and illustration.

Illustration: Aubl. loc. cit. pl. 148.

6. Apalatoa (?) falcata (Kl.)

Crudia falcata Kl. in Schomb. Faun. & Fl. Guian. 1210. Hyponym
1848.

Type locality: River-banks, British Guiana.

Distribution: Known to me from description only.

7. Apalatoa oblonga (Benth.) Taubert, Bot. Centralb. 47: 394. 1891.

Crudya oblonga Benth. Bot. Voy. Sulph. 89. 1844.

Type locality: Cayenne.

Distribution: Known to me only from description.

Hymenaea L.
Type species: *Hymenaea courbaril* L.

95

12. *Hymenaea* in northern South America

1. *Hymenaea courbaril* L. Sp. Pl. 1192. 1753.

Type locality: Brazil.

Distribution: Tobago [Broadway 3534] French Guiana [Broadway 574, 824]; Venezuela [Rusby & Squires 203, 204, 205];

Colombia [H. H. Smith 2027] Bolivia. Brazil (?) Jamaica.

Hispaniola; Porto Rico to Tortola. Lesser Antilles.

Illustrations: Gaertn. Fr. & Sem. pl. 145; Descourt. Fl. Ant. pl. 359; Cook & Collins, Contr. U. S. Nat. Herb. 8: pl. 41; Standley, Contr. U. S. Nat. Herb. 27: pl. 33; Hayne, Arzn. 11: pl. 10.

2. *Hymenaea multiflora* Klein. Rec. Trav. Bot. Herb. 22: 405. 1926.

Type locality: Puvion.

Distribution: Guiana

Note: *Hymenaea* L. var. *Hymenaea multiflora* Klein

[See Highway 194, 195 near Puvion]

3. *Hymenaea Davisii* Sandwith, Rev. Herb. 1931: 366. 1931

Type locality: Morima Creek, Essequibo River, British Guiana

Distribution: Essequibo River

12 a. Peltophyce

1. *Hymenaea* L.

Colombia (Smith) Venezuela, British Guiana

Peltogyne Vogel
Type species: Peltogyne disticha Vogel
36

13. Peltogyne in northern South America

1. Peltogyne porphyrocordia Griseb.; Benth in Mart, Fl. Bras. 15²: 234.
1870.

Type locality: Trinidad.

Distribution: Trinidad [Dannouse; Britton & Hazen 212, 1027]

2. Peltogyne paniculata Benth. Journ. Bot. Hook. 2: 96. 1840.

Type locality: near the Rio Negro, British Guiana.

Distribution: British Guiana [Persaud 168]; Venezuela [Spruce
3260] Brazil.

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 60, f. 1.

3. Peltogyne parvifolia Spruce; Benth. in Mart. Fl. Bras. 15²: 233.
1870.

Type locality: Rio Pocimini, Venezuela.

Distribution: ~~known to me from description only.~~ *known only from the locality (Spruce 1118)*

4. Peltogyne venosa (Vahl) Benth. in Mart. Fl. Bras. 15²: 233. 1870.

Hymenaea venosa Vahl, Eclog. 2: 31. 1798.

Type locality: Cayenne.

Distribution: French Guiana [Wachenheim 1]; Dutch Guiana (ex
Bentham)

37
5. Peltogyne pubescens Benth. Journ. Bot. Hook. 2: 96. 1840.

Type locality: British Guiana.

Distribution: British Guiana [Schomburgk 88; Jenman 6579;
Persaud 85]; Venezuela [Pittier 10973]

6. Peltogyne floribunda (H.B.K.) Pittier, Arb. & Arb. Legum. 140. 1928.

Hymenaea floribunda H.B.K. Nov. Gen. 6: 233. 1824.

Type locality: between Trapiche de Don Felix Ferraras and
Angastura [Venezuela]

Distribution: Known to me from description and illustration
only.

Illustration: H.B.K. loc. cit. pl. 567.

Note. Bentham suggests that this is the same as P.

porphyrocordia Griseb., and Pittier makes the same comment.

Tachigalia Aubl.
Type species: Tachigalia paniculata Aubl. 38

14 Tachigalia in northern South America

1. Tachigalia Rusbyi Harms, Bot. Jahrb. 33: Beibl. 72. 20. 1903.

Type locality: Orinoco.

Distribution: Venezuela [Rusby & Squires 127]

2. Tachigalia paniculata Aubl. Pl. Guian. 1: 374. 1775.

Tachigalia angustifolia Miquel, Stirp. Surin. 13. 1850.

Tachigalia sericea Tulasne, Arch. Mus. Paris 4: 163. 1844.

Tachigalia eriocalyx Tulasne, Arch. Mus. Paris 4: 164. 1844.

Type locality: French Guiana.

Distribution: French Guiana (ex Aublet); Dutch Guiana (ex Benthams); British Guiana [Schomburgk 914] Brazil.

Illustration: Aubl. loc. cit. pl. 143; Miquel loc. cit. pl. 3.

Note. Recorded by Benoist from Gourdonville, French Guiana.

3. Tachigalia pubiflora Benth. Journ. Bot. Hook. 2: 94. 1840.

Type locality: Essequibo River, British Guiana.

Distribution: British Guiana [Persaud 24; Gleason 416; Leng 267, 293; Abraham 253; Jenman 5824]

Note. Distinct from T. paniculata?

39

4. (?) Tachigalia glauca Tulasne, Arch. Mus. Paris 4: 165. 1844.

Type locality: French Guiana.

Distribution: Known to us only from description.

5 (?) Tachigalia Richardiana Tulasne, Arch. Mus. Paris 4: 166. 1844.

Distribution: Known to us only from description.

Tamarindus L.
Type species: *Tamarindus indica L.*

40

15 ~~Tamarindus in northern South America~~

1. Tamarindus indica L. Sp. Pl. 34. 1753.

Tamarindus occidentalis Gaertn. Fr. & Sem. 2: 310.

Tamarindus officinalis Hook. Bot. Mag. pl. 4563.

Type locality: India.

Distribution: Tobago [Broadway 3822]; Trinidad (ex Grisebach);
Margarita [Miller & Johnston 65]; Curaçao [Killip & Smith 21041];
Dutch Guiana [Kegel]; Venezuela [Kuntze; Stevens]; Colombia [Lehmann
4643, 8658; Holton 979; André 1828, K. 411] Florida; West Indies.
Mexico and Central America. Brazil. Bolivia. Native of tropical
Asia.

Illustrations: Jacq. Ann. pl. 10; Hayne, Arzn. 9: pl. 41; Gaertn.
loc. cit. pl. 146; Hook, loc. cit.

41

Eperua Aubl
Type of falcata? Eperua falcata Aubl.

16. Eperua in northern South America

1. Eperua leucantha Benth. in Mart. Fl. Bras. 15²: 225. 1870.

Type locality: Upper Rio Negro, Venezuela.

Distribution: Known to me from description only.

2. Eperua Schomburgkiana Benth. in Mart. Fl. Bras. 15²: 226. 1870.

Type locality: British Guiana.

Distribution: British Guiana [Jenman 6269; Gleason 394

(= Schomburgk 317, type); Persaud 14; La Cruz 1704; Leng 413];

Venezuela (ex Pittier) (?) ~~Dutch Guiana~~ [Kegel 872]

[probably *E. oerstediana* Benth.
Pavonia?]
[In the species correctly understood.]

3. Eperua falcata Aubl. Pl. Guian. 1: 369. 1775.

Dimorpha falcata Smith in Rees' Cyclop. no. 3, 1819.

Panzeria falcata Willd. Sp. Pl. 2: 540. 1799

Type locality: French Guiana.

Distribution: French Guiana [Mélinon]; Dutch Guiana

[Schweinitz]; British Guiana [Bartlett 8150; Jenman 4095;

La Cruz 1373; Leng 276]

Illustration: Aubl. loc. cit. pl. 142.

42
4. Eperua Jenmani Oliver in Hook. Ic. 20: pl. 1955. 1891.

Type locality: British Guiana.

Distribution: British Guiana [Jenman 573; Gleason 837]

Illustration: Hook. Ic. pl. 1955.

5. Eperua grandiflora (Aubl.) Benth. in Mart. Fl. Bras. 15²: 226. 1870.

Pariova grandiflora Aubl. Pl. Guian. 2: 757. 1775.

Dimorpha grandiflora Willd. Sp. Pl. 3: 971. 1800.

Type locality: French Guiana.

Distribution: ~~Known to me only from description and illustration.~~
French Guiana; British Guiana

[See Jenman, British Guiana 2482]

Illustration: Aubl. loc. cit. pl. 303.

6. Eperua rubiginosa Miquel, Stirp. Surin 12. 1850.

Type locality: Surinam.

Distribution: Known to me only from description. Recorded
by Benoist from French Guiana.

7. Eperua caudata Britton, provisional

Butukari, British Guiana [Gleason 718]

1644, in Britton

See Surinam spec.
See Jenman

not Eperua - see description

8. Eperua recurva Britton, provisional

Upper Mazaruni River, British Guiana. [Leng 188]; ? Butukari,
British Guiana [Gleason 726]

not Eperua

9. Eperua elliptica Britton, provisional

Kumpung, Upper Mazaruni River, British Guiana [Leng 312]

10. Eperua multiflora Britton, provisional

Eborcabo Creek, British Guiana [Abraham 133]

not written see E. multiflora

11. Eperua barticana Britton, provisional

Southwest of Bartica, British Guiana [Linder 132]

with brown = palcat

12. Eperua mixta Britton, provisional

British Guiana [La Cruz, 2172 type; 2091, Jenman 5257; Persaud
166; Gleason 332, 412]

= Po. ...

13. Eperua ?

Kamakusa, Upper Mazaruni River, British Guiana [Leng 70]

l.c

14. Eperua Kourouensis Benoist, ^NBotul. Syst. 3: 273. 1916.

Type locality: Kourou River, Gourdonville, French Guiana.

Distribution: Known only from the type locality and to me from description only.

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Vouapa Aubl.
Type species: Vouapa bifolia Aubl.

17. ~~Vouapa in northern South America~~

X 1. Vouapa bifolia Aubl. Pl. Guian. 1: 25. 1775.

Macrolobium hymenoides Willd. Sp. Pl. 1: 186. 1799.

Macrolobium bifolium Pers. Syn. 1: 39. 1805.

Macrolobium stamineum G. F. W. Meyer, Prim. Fl. Esseq. 18. 1818.

Vouapa staminea DC. Prodr. 2: 511. 1825.

Macrolobium elegans Miquel, Ann. Sci. Nat. III 1: 40. 1844.

Macrolobium Vuapa J. G. Gmelin, Syst. 93. 1791.

Type locality: French Guiana.

Distribution: French Guiana [Melinon 420]; Dutch Guiana [Miquel];
British Guiana [Schomburgk 10; Jenman 5245; Hitchcock 17243; Leng 206;
Persaud 34; Gleason 934; 406; La Cruz 1126, 1658, 1799, 2249, 2273,
2376, 2643, 2826, 3228, 4016, 4361; Venezuela [Bond, Gillin & Brown
215]

2. Vouapa chrysostachya Miquel, Stirp. Surin. 11. 1850.

Macrolobium chrysostachyum Benth. in Mart. Fl. Bras. 15²: 220.
1870.

Vouapa angustifolia Benth. Kew Journ. Bot. 2: 239. 1850.

Type locality: Surinam.

Distribution: Dutch Guiana (ex Miquel); British Guiana (ex
Bentham). Brazil.

Note. Not in New York Herbarium, May, 1928.

3. Vouapa florida (Karst.) Kuntze, Rev. Gen. Pl. 213, 1891.

Macrolobium floridum Karst. Fl. Col. 1: 151. 1861.

Type locality: Puerto Cabello, Venezuela

Distribution: Known to me only from description and illustration.

Illustration: Karst. loc. cit. pl. 75.

46
4. Vouapa Simara Aubl. Pl. Guian. 1: 27. 1775.

Macrolobium sphaerocarpum Willd. Sp. Pl. 1: 186. 1797.

Macrolobium Simara J. F. Gmelin, Syst. 93. 1791.

Type locality: Couron, French Guiana.

Distribution: Known to me only from description and illustration.

Illustration: Aubl. loc. cit. pl. 8.

5. Vouapa discolor (Benth.) Taubert, Bot. Centralb. 47: 393. 1891.

Macrolobium discolor Benth. in Mart. Fl. Bras. 15²: 222. 1870.

Type locality: Upper Rio Negro, Venezuela.

Distribution: ~~Known only from the type locality and to me from description only.~~ Esmeralda, Venezuela [Date 289]

6. Vouapa multijuga (DC.) Taubert in Engl. & Prantl. Natfl. Fam. 3³: 142. 1894.

Cutea multijuga DC. Prodr. 2: 510. 1825.

Macrolobium multijugum Benth. in Mart. Fl. Bras. 15²: 222. 1870.

Type locality: French Guiana.

Distribution: French Guiana (ex DC); Dutch Guiana [Hostmann 76]; British Guiana [Jenman 3695; Joseph]

Illustration: Benth. loc. cit. pl. 57, f. 1.

- 47
7. Vouapa venulosa (Benth.) Taubert, Bot. Centralb. 47: 394. 1891.
Macrolobium venulosum Benth. in Mart. Fl. Bras. 15²: 223. 1870.

Type locality: San Carlos, Rio Negro, Venezuela.

Distribution: Known only from the type locality ~~and to me from~~
~~description only.~~

8. Vouapa gracilis (Spruce) Taubert, Bot. Centralb. 47: 393. 1891.
Macrolobium gracile Spruce; Benth. in Mart. Fl. Bras. 15²: 223.
1870.

X Type locality: Naupes, northern Brazil.

Distribution: Rio Pacimonte, Venezuela (ex Bentham, ex
Pittier). Brazil.

Note. ~~Known to me from description only.~~

9. Vouapa trinitensis (Urban)

Macrolobium trinitense Urban, Symb. Ant. 1: 314. 1899.

Type locality: Tocuche, Trinidad.

Distribution: Trinidad [Trin. Herb. 5216]

48

10. Vouapa acaciaefolium^a (Benth.) Baill. Hist. Pl. 2: 109. 1870.

Ontea acaciaefolia Benth. Journ. Bot. Hook. 2: 94. 1840.

Macrolobium acaciaefolium Benth. in Mart. Fl. Bras. 15²: 224. 1870.

Type locality: On the Essequibo and Rapunoony, British Guiana.

Distribution: British Guiana [Schomburgk 7172; Persaud 163;
Gleason 874; La Cruz 993, 1095, 1137, 1925, 2583, 3738, 4373]

Note. La Cruz specimens possibly include two species.

11. Vouapa taxifolia (Spruce) Taubert, Bot. Centralb. 47: 394. 1891.

Macrolobium taxifolium Spruce; Benth. in Mart. Fl. Bras. 15²:
224. 1870.

Type locality: Guainia, upper Rio Negro, Venezuela.

Distribution: Known only from the type locality ~~and to me only~~
~~from description and illustration.~~

Illustration: Benth. loc. cit. pl. 57, f. 2.

12. Vouapa flexuosa (Spruce) Taubert, Bot. Centralb. 47: 394. 1891.

Macrolobium flexuosum Spruce; Benth. in Mart. Fl. Bras. 15²:
223. 1870.

M. flexuosum molle Benth. loc. cit. 1870.

Type locality: Rio Uaupes, northern Brazil.

Distribution: Rio Negro, Venezuela (~~ex Benth.~~, ~~ex Pittier~~).
~~Known to me from description only.~~

49
13. Vouapa pendula (Willd.) Taubert, Bot. Centralb. 47: 394. 1891.

Macrolobium pendulum Willd.; Vogel, Linnaea 11: 412. 1837.

Macrolobium racemigerum Tulasne, Arch. Mus. Paris 4: 174. 1844.

Vouapa racemigera Kuntze, Rev. Gen. Pl. 213. 1891.

Type locality: ^

Distribution: French Guiana (ex Benthams). Brazil.

14. Vouapa guianensis (Aubl.) Taubert, Bot. Centralb. 47: 394. 1891.

Outea guianensis Aubl. Pl. Guian 1: 28. 1775.

Macrolobium pinnatum Willd. Sp. Pl. 1: 186. 1797.

Macrolobium Utea J. G. Gmelin, Syst. 93. 1791.

Type locality: French Guiana.

Distribution: Known to me only from description and illustration.

Illustration: Aubl. loc. cit. pl. 9.

15 Vouapa stenosphon (Harms)

Macrolobium stenosphon Harms, Repert. 3: 51. 1906.

Type locality: Timbiqui and Micay Rivers, Colombia.

Distribution: Colombia [Lehmann 8987, co-type; Triana 4418]

16. Vouapa Jenmani Gleason, ined.

British Guiana [Jenman 4076 type; La Cruz 2534]

17. Vouapa potaroana Britton, provisional

Pataro River, Tumatumari, British Guiana [Gleason 335]

desc. written

18. Vouapa (?)

Demarara River, British Guiana [Jenman 4283]

Spec. sent to Gleason to Herbar. Jan 1912

19. Vouapa ?

Upper Rupununi River, British Guiana [La Cruz 1480, fruiting specimen]

20. Vouapa ? colombiana Britton Cartea?

Choco, Colombia, [Triana 4419] desc. written

21. Vouapa uniflora (Hearne) Wimperlobium uniflorum (Hearne) Mull. Arg. Cartea
1883, 371, f. 51.

Type locality: Cartagena, [Colombia]

Distribution: northern Venezuela and northern Brazil.

22. Vouapa retusa (Hartley) Wimperlobium retusum (Hartley) Cartea, Bot. Mus. Berlin
1910, 101, f. 101.

Type locality: Pierra de la Cruz, Cartagena

[Venezuela]

Distribution: known only from the type locality [Venezuela]

Paloue Aubl.
Type locality: Paloue Guianensis Aubl.

18 Paloue in northern South America

1. Paloue guianensis Aubl. Pl. Guian 1: 365. 1775.

Type locality: French Guiana.

Distribution: French Guiana [Melinon 61, 77]

Illustration: Aubl. loc. cit. pl. 141.

2. Paloue latisiliqua Britton, provisional

= *guianensis*

British Guiana, Kurupung, Upper Mazurini River [Leng 292, type]

See Leng 382. See Gleason 453.

Note. This genus? See fruit shown in Aublet's plate 141.

Heterostemon Desf.
Type species: *Heterostemon mimosioides* Desf. 52

4 Heterostemon in northern South America

1. *Heterostemon mimosioides* Desf. Mem. Mus. Paris 4: 249. 1818.

Type locality: Brazil.

Distribution: British Guiana, [Schomburgk 896] Venezuela
Ernst, ex Rose) Brazil.

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 55, f. 2;
Desf. loc. cit. pl. 12.

2. *Heterostemon ellipticus* Mart.; Benth. in Mart. Fl. Bras. 15²:
215. 1870.

Type locality: Lake Ega, Alto Amazonas, Brazil.

Distribution: Rio Negro, Venezuela ^{and so far} (ex Benth. ~~ex Pittier~~)
Brazil.

Illustration: Benth. loc. cit. pl. 55, f. 1.

Note. Not in New York Herbarium, May, 1928.

Heterostemon in ex loc. cit. pl. 55, f. 1. Kew Hall.
1928: 375. 1928.
Type locality: Karama, Karama River, British Guiana
[Schomburgk 410]
Distribution: Karama River, ex loc. cit. pl. 55, f. 1.

3. *Heterostemon potaroanus* Britton, provisional

Potaro River, British Guiana [Gleason 179 type; 212, 243;
Jenman 7407]

Heterostemon potaroanus Britton provisional Kew
Hall. 1928: 374. 1928.
Type locality: Karama, Karama River,
British Guiana [Schomburgk 410]
Distribution: Karama River, ex loc. cit. pl. 55, f. 1.

4. Heterostemon subcoriaceus Britton, provisional
Kama Kusa, Upper Mazaruni River, British Guiana [Leng 23]

1/2 1/2 1/2

5. Heterostemon Lengii Britton, provisional
Kama Kusa, Upper Mazaruni River, British Guiana, [Leng 14 type;

138]

with Monardella

4. Heterostemon Vagabundus Britton, Bot. Gaz. 1925
Hawaii 9: 291, 1925
Type locality: Hawaii, Oahu, Lualaba, Lualaba
Hawaii 5: 20, 1925. Description only

Elizabetha Schomburgk
Type species: Elizabetha princeps Schomburgk 54

no Elizabetha in northern South America

1. Elizabetha princeps Schomburgk; Benth. Journ. Bot. Hook. 2: 92.
1840.

Type locality: Mount Roraima, British Guiana.

Distribution: known only from the type locality and to me from
description only.

2. Elizabetha coccinea Schomburgk; Benth. Journ. Bot. Hook. 2: 92.
1840.

Type locality: British Guiana.

Distribution: known to me from description only.

3. Elizabetha duckei Hausskn., Bot. Mus. Goeldi
7: 201, 1913.

Type locality: Rio Japura, Brazil

[unclear]

Distribution: known only from the
type locality, and to me from the
description only

Brownea Jacq.

Type species: *Brownea coccoloba Jacq.*

55

21 Brownea in northern South America

[Hermesias Loebl. is a hyponym]

1. Brownea grandiceps Jacq. Coll. 287. 1789.

Hermesias grandiceps Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality:

Distribution: Venezuela [Pittier 5969]

Illustrations: Jacq. Fragm. pl. 22, 23.

- ✓ 2. Brownea ariza Benth. Pl. Hartw. 171. 1845.

Hermesias ariza Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality: Guaduas, Bogota, Colombia.

Distribution: Colombia [André 1063, 1809] *Common in Colombia*

Illustration: Pittier, Contr. U. S. Nat. Herb. 18: pl. 59, 60,

61, 62 (perhaps not all of this species)

Common in Colombia

3. Brownea leucantha Jacq. Fragm. 287. 1789.

Hermesias leucantha Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality: Caracas, Venezuela.

Distribution: *See Pittier*

Illustrations: Jacq. Coll. pl. 20, 21.

- ✓ 4. *Brownea aroensis* Pittier, Contr. U. S. Nat. Herb. 18: 162. 1916.

Brownea Guarba Pittier, loc. cit. 1916.

Type locality: Palmasola, Aroa River, Lara, Venezuela.

Distribution: Venezuela [Pittier 6367 ; Mell.] *Col. - Her. d. 20937*

Note. Pittier, Arb. & Arb. Veez. 147, 148 united the species
under the name aroensis.

5. *Brownea coccinea* Jacq. Enum. 6, 26. 1760.

Hermesias coccinea Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality: Zauca, Venezuela.

Distribution: *Colombia - Venezuela - ...* Venezuela [Pittier 8777; Saer 134]

Illustration: Jacq. Stirp. Am. pl. 121.

6. *Brownea latifolia* Jacq. Fragn. 25. 1809.

Brownea latifolia Kuntze, Rev. Gen. Pl. 191. 1891. *Her. d. 212, 1860*
Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 6054]

Illustration: Jacq. loc. cit. pl. 17.
Indid. de ...

7. *Brownea capitellata* Jacq. Fragn. 26. 1809.

Hermesias capitellata Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 12164]

Illustrations: Jacq. loc. cit. pl. 18, 19.

57
✓ 8. Brownea macrophylla Linden, Cat. 18: 11. 1863.

Type locality: Antioquia, Colombia.

Distribution: Medellin (Prov 107) Colombia (ex Linden). Panama.

Illustration: Gard. Chron. 1873: f. 149.

58
✓ 9. Brownea Rosa del Monte Berg. Phil. Trans. 63: 174. 1773.

Hermesias Rosa Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality: Porto Bello, Panama.

Distribution: Colombia [Schott] Panama. *Brownea 4422*

Illustration: Berg. loc. cit. pl. 8, 9.

10. Brownea Birschellii Hook.f. Bot. Mag. pl. 5998, 1872.

Type locality: La Guayra, Venezuela.

Distribution: known to me only from description and
illustration of the type.

Illustration: Bot. Mag. pl. 5998.

Note. Upper leaflets oblanceolate. Species not taken up by
Pittier.

11. Brownea racemosa Jacq. Fragn. 26. 1809.

Hermesias racemosa Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality: Caracas, Venezuela.

Distribution: Known to me from description and illustration
only.

Illustrations: Jacq. loc. cit. pl. 16.

1110 re
Killip

Mimosaceae
&
Caesalpinhiaceae
of
Columbia

Setter up
back-bone

Interleave:-
with plain
paper \$2.50

FLORA OF THE MID-ATLANTIC STATES

COLLECTED BY M. S. BAXTER

1921

59
12. Brownea speciosa Rchb.; Griseb. Fl. Brit. W. I. 212. 1860.

(?) Brownea guyanensis Klotzsch; Schomb. Faun. & Fl. Guy, 1209
hyponym.

Hermesias speciosa Kuntze, Rev. Gen. Pl. 191. 1891.

Type locality: Trinidad.

Distribution: Tobago [Broadway 3532]; Trinidad [Broadway
9794; Kuntze 830; Britton 2160] British Guiana [La Cruz
1101, 1254, 2442, 4506] Venezuela [Broadway 502; Bond,
Gilllin & Brown 257, Rusby & Squires 23]

= *latifolia* -

✓ 13. Brownea bolivarensis Pittier, Contr. U. S. Nat. Herb. 20: 111.
1918.

Type locality: between Norosi and Tiquisto, Bolivar, Colombia.

Distribution: Known to me only from description [See Pennell
4170.] Killip to say -

Note. The type is Curran 142. - Det. Rose.

✓ 14. Brownea longipedicellata Huber, Bot. Mus. Goeldi 7: 293. 1913.

Type locality: Japuri River (Caqueta), southeastern Colombia.

Distribution: Known only from the type locality and to me from
description only.

low type with long pedicel - No to name

15. Brownea neglecta (Taubert)

Hermesias neglecta Taubert in Engler & Prantl, Nat. Pflf. 3³:

146. 1892.

Type locality: presumably American, studied from greenhouse plant.

Distribution: unknown.

Illustration: Taubert, loc. cit. f. 83.

Note. Illustration shows flowers only; no description.

16. Brownea canescens Britton, provisional

Guaremales, Venezuela [Pittier 8778]

17. Brownea lateralis Britton, provisional

Lower Yaracay, Venezuela [Pittier 12106]

ref by Pittier to latifolia

Note: Flowers on the side of twig.

18. Brownea trinitensis Britton, provisional

Trinidad Teteran Bay, [Britton 495, type]

Withdrawn = latifolia

19. Brownea confusa Britton, provisional

Santa Marta, Colombia [H. H. Smith 931]

= Ariza

Note. Referred by Pittier to B. ariza Benth.

20. *Brownea* (?) *multifoliola* Britton, provisional

Darien, Colombia [Dawe 833]

21. *Brownea alternifoliola* Britton, provisional

La Esmeralda, Santander, Colombia [Killip & Smith 20937

22. *Brownea Holtoni* Britton, provisional

Honda, Colombia [Holton, Apr. 26, 1854.]

23. *Brownea Toroana* Britton, provisional

Vicinity of Medellin, Colombia Toro 107

24. Brownea parviflora Britton, provisional

Morrocoquiel, Rio Sinu, Bolivar, Colombia Pennell 4698

25 (?) Brownea

Near Peripa, Ecuador Andre K 997

Note. Foliage only.

62

26. Brownea (?) Broadwayi Britton, provisional
Aricagua, Venezuela [Broadway 554]

Dialium L.
Type species: *Dialium guianense* L.

63

42 ~~Dialium in northern South America~~

1. Dialium guianense (Aubl.) Steud. Nom. ed. 2, 1: 497. 1840.

Arouna guianensis Aubl. Pl. Guian. 1: 16. 1775.

Aruna divaricata Willd. Pl. Pl. 1: 49. 1797.

Dialium divaricatum Vahl, Enum. 1: 302. 1804.

Type locality: French Guiana.

Distribution: French Guiana [Leprieur; Broadway 847];

Venezuela [Pittier 10972] Panama to Guatemala. Brazil.

Illustrations: Aubl. loc. cit. pl. 5; Benth. in Mart. Fl. Bras.

15²: pl. 47.

Colombia [Leprieur 60] -

Neopandora *Andrieux* & *Howe*
Type species: *Apuleia praecox* Mart.

64

13 *Neopandora* in northern South America

[*Apuleia* Mart. 1837. Not Gaertn. 1791]

[*Zenkeria* Arnott 1838. Not Trin. 1837]

1. *Neopandora praecox* (Mart.) Britton

Apuleia praecox Mart. Herb. Fl. Bras. 123. 1837.

Zenkeria dalbergioides Arnott, Mag. Zool. Bot. 2: 548. 1838.

Apuleia polygama Allem. Trab. Soc. Vell. 56.

Leptolobium (?) *leiocarpum* Vogel, Linnaea 11: 393. 1837. ^

Type locality: Corcovado, Rio de Janeiro, Brazil.

Distribution: Venezuela [Pittier 11725] Brazil.

Illustration: Benth. in Mart. Fl. Bras. ^{52.} pl. 46.

Note. Venezuela plant has blunter leaflets than the Brazilian.

65

Chamaecrista in northern South America

1. Chamaecrista diphylla (L.) Greene, Pittonia 4: 28. 1890.

Cassia diphylla L. Sp. Pl. 376. 1753.

Type locality: India [apparently in error]

Distribution: French Guiana [Melinon]. Cuba. Hispaniola, Porto Rico, St. Kitts (ex Grisebach). St. Vincent (ex Urban). Vera Cruz to Panama. Brazil.

Illustration: Cav. Ic. pl. 600.

Note. Not in N. Y. Herbarium from Colombia, Venezuela or British Guiana.

Not at Washington from Colombia, Oct. 1912

2. Chamaecrista cultrifolia (H.B.K.)

Cassia cultrifolia H.B.K. Nov. Gen. 6: 363. 1824.

Type locality: Orinoco River.

Distribution: Guiana (ex Benth); Venezuela [Stevens; Pittier 9425] Colombia (ex Benth) Brazil.

Not at Washington from Colombia Oct. 1912

3. Chamaecrista tetraphylla (Desv.)

Cassia tetraphylla Desv. Journ. Bot. 3: 72. 1814. Not Collad. 1816.

Cassia Desvauxii Collad. Hist. Cass. 131. 1816.

Cassia pulchra H.B.K. Nov. Gen. 6: 362. 1824.

? Cassia Desvauxii brevipes Benth. in Mart. Fl. Bras. 152: 157. 1870.

Type locality: Tropical America.

Distribution: British Guiana [La Cruz 2103, 2211] Colombia (ex Benth). Brazil.

Not at Washington from Colombia Oct. 1912

3a. *Chamaecrista brevipes* (DC.) Greene, *Pittonia* 4: 31. 1899.

Cassia brevipes DC. Collad. Hist. Cass. 119. 1816.

Type locality: Panama.

Distribution: Venezuela [Pittier 10552]; Panama. Costa Rica.

Illustration: Collad. loc. cit. pl. 9.

4. *Chamaecrista Persoonii* (Collad.) Greene, *Pittonia* 4: 31. 1899.

(?) *Cassia lanceolata* Pers. Syn. 1: 456. 1805. Not Forsk.

Cassia uniflora Spreng. Neue Entd. 1: 291.

Not Mill. 1768.

Cassia Persoonii Collad. Hist. Cass. 119. 1816.

Cassia ramosa Vogel, Syn. Cass. 55. 1837.

Cassia savannensis Miquel, *Linnaea* 18: 584. 1844.

Cassia uniflora ramosa Benth. in Mart. Fl. Bras. 15: 158. 1870.

Cassia uniflora parvifolia Benth. Trans. Linn. Soc. 27: 568.

1871.

Type locality: Cayenne.

Distribution: French Guiana (ex Persoon; ex Benoist).

Dutch Guiana [Kegel; Hostmann 808; Samuels 481], British Guiana [Jenman 1681; 5168; Abraham 1; Tate 50] ; Venezuela [Stevens]; Colombia (ex Bentham). Brazil. [lost at Washington from Colombia, det. 1912]

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 43, f. 1.

5. *Chamaecrista Rusbyi* B. & R., ined.

Orinoco River, Venezuela. [Rusby & Squires 275; Bailey 1378]

Accepted by May 22 1898

67

Rule line (H&K)

6. Chamaecrista Smithiana Britton, provisional

Santander, Colombia Killip & Smith 15127 type; 15089, 19345]

Brachys

7. Chamaecrista Lehmannii, B. & R., ined.

Guagua, Colombia [Lehmann B. T. 1095]

8. Chamaecrista Langsdorfii (Kunth) B. & R., ined.

Cassia Langsdorfii Kunth; Vogel, Syn. Cass. 55. 1837.

Type locality: Brazil.

Distribution: Venezuela (Orinoco, ex Benth), Brazil.

9. Chamaecrista gracilis (Kunth) B. & R., ined.

Cassia gracilis Kunth, Mim. 120. 1819.

Type locality: Orinoco River, near San Borja.

Distribution: Known to me only from description and illustration.

Illustration: Kunth, loc. cit. pl. 36.

10. Chamaecrista calycioides (DC.) Greene, Pittonia 4: 32. 1899.

Cassia calycioides DC., Collad. Hist. Cass. 125. 1816.

Type locality: Cayenne.

Distribution: French Guiana (ex Colladon); Venezuela

[Pittier 7923, 7967, 9008, 11698]. Brazil. (ex Benth)

Illustrations: Collad. loc. cit. pl. 20, f. B; Benth. in Mart. Fl. Bras. 15²: pl. 43, f. 2.

11. Chamaecrista rotundifolia (Pers.) Greene, Pittonia 3: 41. 1899.

Cassia rotundifolia Pers. Syn. 1: 456. 1805.

Cassia bifoliolata DC.; Collad. Hist. Cass. 120. 1816.

Chamaecrista bifoliolata Greene, Pittonia 4: 31. 1899.

Type locality: South America.

Distribution: Guiana (ex Benth); Venezuela [Stevens; Pittier 8704]; Colombia (ex Benth). Cuba. Sinaloa to Costa Rica. Brazil. Bolivia.

Illustration: Collad. loc. cit. pl. 9.

Cassia latifolia Willd. Prodr. Fl. Ind. 6: 163, 1824

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12. Chamaecrista bauhiniaefolia (Kunth)

Cassia bauhiniaefolia Kunth, Mim. 123. 1819.

~~Cassia fabaginaefolia H.B.K. Nov. Gen. 6: 363. 1824.~~

Cassia filipes Benth. Journ. Bot. Hook. 2: 81. 1840.

Cassia rotundifolia bauhiniaefolia Benth. in Mart. Fl. Bras. 15²:

162. 1870.

Type locality: Orinoco River near Carichana.

Distribution: Guiana (ex Bentham); Venezuela [Pittier 10592];
Colombia [Lehmann B. T. 1057] d. J. 1113.

Illustration: Kunth, loc. cit. pl. 37.

13. Chamaecrista Tagera (L.) Standley, Contr. U. S. Nat. Herb. 18:

104. 1914.

Cassia Tagera L. Sp. Pl. 376. 1753.

Cassia ciliaris Collad. Hist. Cass. 98. 1816.

Cassia Kunthiana C. & S. Linnaea 5: 598. 1830.

Type locality: India (presumably in error)

Distribution: Guiana (ex Bentham); Colombia (ex Bentham).

Vera Cruz to Panama. Brazil.

14. Chamaecrista pilosa (L.) Greene, Pittonia 4: 28. 1899.

Cassia pilosa L. Syst. Nat. ed. 10, 1017. 1759. 1753.

Cassia emarginata Mill. Gard. Dict. ed. 8, no. 13. 1768. Not L. ^

Cassia Milleri Collad. Hist. Cass, 132. 1816.

Type locality: Not cited.

Distribution: Trinidad [Broadway 7398]; Venezuela [Grisola 31]; Colombia [H. H. Smith 276; Pennell 1207] Guatemala. Jamaica. Cuba.

15. Chamaecrista serpens (L.) Greene, Pittonia 4: 29. 1897.

Cassia serpens L. Syst. Nat. ed. 10, 1018. 1759.

Cassia prostrata H. & B.; Willd. Enum. 441. 1809.

Type locality: not cited.

Distribution: Guiana (ex Benth.); Venezuela [Stevens; Pittier 9681, 10807] Colombia [H. H. Smith 67; ^{are less 790;} Pennell 2886, 12072; Rusby & Pennell 1077] Jamaica. Cuba. Guatemala. Brazil. Paraguay.

16. Chamaecrista trichopoda (Benth.)

Cassia trichopoda Benth. in Mart. Fl. Bras. 15²: 163. 1870.

Type locality: Brazil [no type cited]

Distribution: Venezuela (Caracas, ex Benth.); Colombia [H. H. Smith 709]. Brazil. Bolivia.

17. Chamaecrista supplex (Mart.) *h.c. h.*

Cassia supplex Mart.; Benth. in Mart. Fl. Bras. 152: 163. 1870.

Type locality: Pernambuco, Brazil.

Distribution: Colombia [H. H. Smith 66] Brazil.

18. Chamaecrista Schlimii (Benth.) *h.c. h.*

Cassia Schlimii Benth. Trans. Linn. Soc. 27: 571. 1871.

Type locality: Ocaña, Colombia

Distribution: Colombia [Schlim 281, co-type] *h.c. h. 47029*

18a. Chamaecrista Pennellii B. & R., ined.

Between Fusagasuga and Pandi, Cundinamarca, Colombia [Pennell 2749] *h.c. h. 47029*

19. Chamaecrista colombiana B. & R., ined. = *Schlimii*

Buenvista, Bolivar, Colombia [Pennell 4009]

20. Chamaecrista tenella (H.B.K.)

Cassia tenella H.B.K. Nov. Gen. 6: 365. 1824.

Type locality: Orinoco River, near San Borja.

Distribution: Known to me only from description.

21. Chamaecrista Andreana Britton, provisional

Piedras et Ibaque, foot of Mt. Quindio [André 1974]

Chamaecrista ? = *Chamaecrista*

22. Chamaecrista flexuosa (L.) Greene, Pittonia 4: 27. 1899.

Cassia flexuosa L. Sp. Pl. 379. 1753.

Cassia arenaria H.B.K. Nov. Gen. 6: 370. 1824.

Type locality: Brazil.

Distribution: British Guiana [Jenman 5174]; Venezuela [Stevens; Pittier 10606]; Colombia (ex Benth) Cuba. Oaxaca to Panama. Brazil. Bolivia. Paraguay.

Illustration: Breyn, Cent. pl. 23.

23. Chamaecrista simplex Standley, Contr. Nat. Herb. 18: 103. 1916.

Type locality: near Chepo, Panama.

Distribution: Colombia [Holton; Schlim 166; Pennell 1454; 2934, 3465, 3674; Pennell & Killip 5961; Killip & Smith 20777]. Panama.

24. Chamaecrista roraimae (Benth.) *R. & H.*

Cassia roraimae Benth. Trans. Linn. Soc. 27: 574. 1871.

Type locality: Roraima, British Guiana.

Distribution: British Guiana [Jenman 71]

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25. Chamaecrista arborescens Britton, ined.

Near Tapata, Culagá Valley, Santander, Colombia [Killip & Smith 20146] *Chamaecrista*

26. Chamaecrista Chamaecrista (L.) Britton, Bull. Torr. Club 44:

12. 1917.

Chamaecrista L. Sp. Pl. 379. 1753.

Cassia diffusa Mim. Soc. Phys. Geneve 2: 130. 1824.

Chamaecrista diffusa Britton, Ann. Mo. Bot. Gard. 2: 41. 1915.

DC.

Type locality: Curaçao

Distribution: Curaçao [Britton & Shafer 2919, 2988; Curran & Haman 179]; Margarita [Miller & Johnston 210]; Venezuela [Saer 205; Pittier 9549] Jamaica. Cuba. Bahamas. St. Kitts to Grenada. Veracruz.

Illustration: Breyn, Cent. Pl. pl. 24; Schrank. Hort. Monac.

pl. 33.

27. Chamaecrista flavicoma (H.B.K.) Greene, Pittonia 3: 242. 1891.

Cassia flavicoma H.B.K. Nov. Gen. 6: 366. 1824.

Cassia stipulata G. Don, Gen. Syst. 2: 44. 1832.

Type locality: Orinoco River.

Distribution: Venezuela [Jahn 1138]; Colombia [Triana 4489; Holton 987; André 2814; Toro 783; Dawe 831; Pennell 2702, 5477; *Arceuthobium* 1031; *Buddleia* 1398; *Salvia* 387]

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28. Chamaecrista stenocarpa (Vogel) Standley, Contr. U. S. Nat.

Herb. 18: 104. 1916.

Cassia stenocarpa Vogel, Syn. Cass. 68. 1837.

Type locality: Brazil.

Distribution: Ecuador [Hitchcock 20218]; Venezuela [Pittier 11613; Bailey 159]; Colombia [H. H. Smith 275, 2537; Killip & Smith 14462], Panama to Vera Cruz and Guerrero; Jamaica; Cuba; Curaçao. Brazil.

29. Chamaecrista riparia (H.B.K.) Britton, Bull. Torr. Club 44: 11.

1917.

Cassia riparia H.B.K. Nov. Gen. 6: 369. 1824.

Type locality: Magdalena River, near Mompox, Colombia.

Distribution: British Guiana (ex Benth); Colombia [Pennell 4029] Brazil and Peru (ex Benth)

30. Chamaecrista Parkeriana (DC.)

Cassia Parkeriana DC. Prodr. 2: 504. 1825.

Type locality: Demarara.

Distribution: British Guiana [Abraham 69, ex descriptio]

30a. Chamaecrista Browniana B. & R., ined. *W. Brown, Fl. Col., 53: 293, 1930*

Cundinamarca, Colombia [Pennell 1351]. El Salvador - Bolivia

75
31. Chamaecrista propinqua (H.B.K.) *Arch*

Cassia propinqua H.B.K. Nov. Gen. 6: 369. 1824.

Type locality: Caripe, and Monte Cocollar, [Venezuela ?]

Distribution: Colombia [~~Holton~~; Nicholas]; Venezuela [Fendler
326]

32. Chamaecrista patellaria (DC.) Greene, Pittonia 4: 32. 1899.

Cassia patellaria DC.; Collad. Hist. Cass. 125, 1816.

Type locality: Cayenne.

Distribution: Tobago [Eggers 5509; Broadway 3062]; Trinidad
[Kuntze 1078; Britton & Hazen 1581]; French Guiana [Leprieur]; Dutch
Guiana [Kegel; Hostmann 451]; Venezuela [Stevens]; Colombia [Schlim
174; H. H. Smith 274, 707; Toro 777; Pennell 1499, 1509, 2773, 3604,
5614, 5642; Killip 11533; Pennell & Killip 5960, 6040; Killip & Smith
20876]. *Arch 958* Panama to Vera Cruz. Jamaica. Cuba. *into Cuba* Brazil. Bolivia.

Illustration: Collad., loc. cit. pl. 16.

33. Chamaecrista fusagasugae Britton, ined. *two = Stevia*

Fusagasuga, Colombia, 1600-1800 m. alt. [Andre 1398]

Note. Compare with C. tristicula.

34. Chamaecrista huigrensis B. & R., ined.

Vicinity of Huigra, Ecuador [Rose & Rose 22205 type; ? 23851]

35. Chamaecrista praetexta (Vogel) *Boettger*

Cassia praetexta Vogel, Syn. Cass. 67. 1837.

Type locality: Guiana.

Distribution: Trinidad [Trin. Herb. 4650]; French Guiana,
British Guiana and Brazil (ex Benth)

36. Chamaecrista tristicula (H.B.K.) *Wright*

Cassia tristicula H.B.K. Nov. Gen. 6: 367. 1824.

Type locality: Fusugasuga, Colombia.

Distribution: Colombia [Pennell 1328, 1869] ~~Vera Cruz~~ (?)

37. Chamaecrista microcarpa Britton, ined.

El Valle, near Caracas, Venezuela [Ernst]

38. *Chamaecrista hecatophylla* (DC.) Greene, *Pittonia* 4: 32. 1899.

Cassia hecatophylla DC.; Collad. Hist. Cass 124. 1816.

Type locality: probably Tobago.

Distribution: Tobago (?) British Guiana (ex Benthams)

Illustration: Collad. loc. cit. pl. 18.

Note. Referred by Benthham to Cassia mimosoides L.

39. *Chamaecrista mimosoides* (L.) *live tree*

Cassia mimosoides L. Sp. Pl. 379. 1753.

Type locality: Ceylon.

Distribution: Admitted by Bentham to wide range in tropical America. Recorded by Benoist from French Guiana. Definitely known only to me from Old World tropics.

40. *Chamaecrista magna* Britton, provisional

Vicinity of Merida, Venezuela [Pittier 12864]

Note. Small tree, 2-3 m. high.

Grimaldia Schrank
Type species: *Grimaldia spiciosa* Schrank

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~~Grimaldia in northern South America~~

1. *Grimaldia Absus* (L.) B. & R., *N. Am. Flora* 23: 299. 1930

Cassia Absus L. Sp. Pl. 376. 1753.
Grimaldia opifera Schrank, All. Bot. Beibl. 4: 187. 1805.
Senna Absus Roxb. Fl. Ind. 2: 340. 1832.

Type locality: India.

Distribution: Bonaire [Boldingh 7363] Venezuela [Pittier 9927]

Grenada. Sinaloa to Jalisco and Vera Cruz, Bolivia.

Paraguay. Native of the Old World tropics.

Illustration: Jacq. Pl. Rar. 1: pl. 53.

2. *Grimaldia hispidula* (Vahl) B. & R. *N. Am. Flora* 23: 299. 1930

Cassia hispidula Vahl, Ecol. 3: 10. 1807.
Cassia hispida Collad. Hist. Cass. 118. 1816.
Cassia lotoides H.B.K. Nov. Gen. 6: 361. 1824.

Type locality: South America.

Distribution: Trinidad [Broadway; Britton & Broadway 2317;
Britton & Hazen 71]; Dutch Guiana [Samuels 325]; British
Guiana [Abram 2]; Venezuela [Stevens]. Cuba. Guatemala
to Panama. Brazil.

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 35, f. 2.

La. Grimaldia cuneifolia (Vogel)
Cassia cuneifolia Vogel, Syn. Cass. 51. 1837
British Guiana [Cavanilles 4] Brazil

3. *Grimaldia viscosa* (H.B.K.) Britton & Rose

Cassia viscosa H.B.K. Nov. Gen. 6: 300. 1824.
Cassia cuneifolia Vogel, Syn. Cass. 51. 1837

Type locality: Mesa de Cuello, near Contreras and Ibaguë,

Colombia.

Distribution: British Guiana [Abraham 3]; Colombia (ex H.B.K.).
Brazil. Killebrew 16264.

26. *Polystachya* *Grimaldia*
4. Grimaldia (?) polystachya (Benth.)

Cassia polystachya Benth. Journ. Bot. Hook. 2: 77. 1840.

Type locality: British Guiana.

Distribution: known to me only from description

Based on [Schomburgk 621.]

5. Grimaldia orinocensis (Spruce)

Cassia orinocensis Spruce; Benth. in Mart. Fl. Bras. 15²: 150. 1870.

Type locality: Esmeralda, Orinoco River.

Distribution: Venezuela [Jahn 753; Pittier 10551] *but Pittier 12618*

6. Grimaldia Baileyorum B. & R.; *ined.* *Bailey, Guat. Bot. 2: 203, 1906*

near Ciudad Bolivar, Orinoco River, Venezuela [Bailey 1392] *1930*

Type locality:

near Ciudad Bolivar: Venezuela [Bailey 1392, Pittier 10582 +

7. Grimaldia Pennellii B. & R., *ined.*

Colombia [Killip & Smith 16264 type, 15419; Rusby & Pennell 1125;

André 2922; Pennell 1643, 2344]

deser. written

8. Grimaldia zuliensis B. & R., *ined.*

Zulia,
Mene Grande, Venezuela [Pittier 10582]

1. Cassia Fistula L. Sp. Pl. 377. 1753.

Cathartocarpus Fistula Pers. Syn. 1: 459. 1805.

Bractyrilobium Fistula Willd. Enum. Hort. Berol. 440. 1809.

Type locality: India.

Distribution: Curag^{oa} [Curran & Haman 231]; Trinidad [Kuntze 884]; Margarita [Miller & Johnston 69]. Widely planted and naturalized in the West Indies. Native of the Old World tropics.

Illustrations: Tussac, Fl. Ant. 4: pl. 2; Descourt. Fl. Ant. 2: pl. 125; Benth & Trim. Med. Pl. pl. 87.

2. Cassia grandis L.f. Suppl. 230. 1761.

Cathartocarpus grandis Pers. Syn. 1: 459. 1805.

Bactyrilobium grande Hornem. Hort. Hafn. 1: 135. 1813.

Cassia brasiliensis Lam. Encycl. 1: 649. 1783.

Cassia mollis Vahl, Symb. 3: 57. 1794.

Cathartocarpus brasiliensis Jacq. Fragm. 59. 1809.

Type locality: Surinam.

Distribution: Tobago [Broadway 3613]; Trinidad [Britton 2923];
Dutch Guiana [Hostmann & Keppl^ear] Venezuela [Pittier 10148₁₂₅₉₇]; Colombia
[Toro 252; Holton 981; H. H. Smith 2061, André 2562; Pennell 4127].

Jamaica; Cuba; Hispaniola; Porto Rico. Guerrero to Panama. Brazil (?)

Illustration: Jacq. loc. cit. pl. 85, f. 3.

3. Cassia moschata H.B.K. Nov. Gen. 6: 338. 1824.

Cathartocarpus moschatus Don, Gen. Syst. 2: 453. 1832.

Type locality: Mompox, Magdalena River, Colombia.

Distribution: Trinidad [Britton, Hazen & Broadway 969];
Venezuela [Pittier 11477, 11683; Bailey 1330] Colombia [Pennell
4082] Panama to southern Mexico (ex Rose)

Illustration: Trans. Linn. Soc. 24: pl. 26.

4. Cassia Sagotiana Benth. in Mart. Fl. Bras. 15²: 93. 1870.

Type locality: River Acarony, French Guiana.

Distribution: Known to me only from ^{the} ~~description of the type~~ ^{no type}
specimen. Recorded by Benoist from Gourdonville (Bull. Soc. Bot. Fr
French 66: 384)

5 ? Cassia

Lower Orinoco River [Rusby & Squires 24]

Note. Not a tree Cassia. Undescribed genus ?

6. Cassia leiandra Benth. in Mart. Fl. Bras. 15²: 94.

Type locality: Rio Negro, Brazil.

Revised locality: British Guiana (Vou. Guianensis)

(Good with) Brazil

Revised locality: Rio Negro, to 2 cit. pl. 30

Pseudocassia Rothiana & Rose
Type species: *Cassia spectabilis* DC.

83

28 ~~Pseudocassia in northern South America~~

1. Pseudocassia spectabilis (DC.) B. & R. ~~ined.~~ *T. Am. 25: 230. 1930*

Cassia spectabilis DC. Cat. Hort. Monsp. 90. 1813.

Cassia speciosa H.B.K. Nov. Gen. 6: 338. 1824. Not Schrad.

Cassia Humboldtiana DC. Prodr. 2: 489. 1825.

Cathartocarpus Humboldtianus Loudon, Hort Brit. 167. 1832.

Cathartocarpus speciosus G. Don. Gen. Syst. 2: 453. 1832.

Cathartocarpus trinitatis G. Don. Gen. Syst. 2: 453. 1832.

Cassia trinitatis Rehb.; Vogel, Syn. Cass. 46. 1837.

Type locality: Caracas, Venezuela.

Distribution: Tobago [Eggers 5704; Broadway 3211]; Trinidad
[Trin. Herb. 7462] Venezuela [Fendler 331; Rose 21762; Pittier 9702,
11564; E. Pittier 14]; Colombia Rusby & Pennell 274; Pennell 5638;
Chardon 136; Killip & Smith 16173; Toro 266, 871] Jamaica, Cuba,
Hispaniola. Tabasco to Panama.

Illustration: Collad. Hist. Cass. pl. 7.

2. Pseudocassia Eggersii Rose, ined.

Monabi, Ecuador [Eggers 15549]

3. *Pseudocassia*

Esmeralda Venezuela (Pittier 254)

Chamaefistula G. Don
Type species: *Cassia bacillaris* L.f.
29. *Chamaefistula* in northern South America

84

1. *Chamaefistula undulata* (Benth.) Pittier, Arb. & Arb. Legum. 120. 1928.

Cassia undulata Benth. Journ. Bot. Hook. 2: 76. 1840.

Type locality: British Guiana.

Distribution: Trinidad [Kuntze 698; Broadway 9795; Britton 2157; Britton & Brown 2406; Britton, Hazen & Mendelson 883; Britton & Hazen 100]; (?) French Guiana (ex Benoist as *Cassia viminea*); British Guiana (ex Benth); Venezuela [Pittier 9113, 10856, 12773; ? Rusby & Squires 319]; Colombia [Pennell 3774, 4102. Toro 1021].
Panama to Yucatan.

2. *Chamaefistula latifolia* (G. F. W. Meyer) *det*

Cassia latifolia G. F. W. Meyer, Prim. Fl. Esseq. 106. 1818.

Type locality: Arowabisch Kreek, Dutch Guiana.

Distribution: French Guiana and Dutch Guiana (ex Benth); British Guiana [Jenman 1176; Hitchcock 17258; Gleason 808; La Cruz 1760, 2229]

3. *Chamaefistula macrophylla* (Kunth) G. Don, Gen. Syst. 2: 451. 1832.

Cassia macrophylla Kunth, Mim. 126. 1819.

Type locality: near Cartagena, Colombia.

Distribution: Colombia [Holton 980; Triana 4384; André 1811; Pennell, Killip & Hazen 8613]

Illustration: Kunth, loc. cit. pl. 38.

85
4. Chamaefistula grandifolia B. & R., ined.

Las Cruchitas, Venezuela [Jahn 477]

5. Chamarfistula chrysocarpa (Desv.) Pittier, Arb. & Arb. Legum. 123.
1928.

Cassia virgata Rich. Act. Soc. Hist. Nat. Paris 1: 108. 1794. Not
Sw. 1788.

Cassia chrysocarpa Desv. Journ. Bot. 3: 72. 1814.

Cassia chrysotricha Collad. Hist. Cass. 99. 1816.

Cassia chrysogyne Miquel, Linnaea 18: 581. 1844.

Type locality: Guiana.

Distribution: French Guiana [Broadway 678]; Dutch Guiana
Hostmann 728]; Venezuela [Pittier 11259]. Brazil (ex Benth).

Note. The Venezuela plant differs slightly from that of the
Guianas.

6. Chamaefistula speciosa (Schrad.) G. Don, Gen. Syst. 2: 451. 1832.

Cassia speciosa Schrad. Goett. Anz. 1821: 718. 1821.

Cassia micans Nees, Flora 303, 329. 1821.

Cassia bijuga Vogel, Syn. Cass. 17. 1837.

Cassia nervosa Vogel, Syn. Cass. 39. 1837.

Type locality:

Distribution: Colombia [Pennell 1895; Killip & Smith 15403,
16459, 16828]. Brazil.

7. Chamaefistula martensis R. & R., ined.

Santa Marta, Colombia [H. H. Smith 253]

8. Chamaefistula quinguangulata (L. C. Rich.) *H. C. K.*

Cassia quinguangulata L. C. Rich. Act. Soc. Hist. Nat. Paris 1:
108. 1792.

Type locality: Cayenne.

Distribution: French Guiana [Sagot] Dutch Guiana [Hostmann;
Kegel 809]; British Guiana [Jenman 5243; Gleason 13,50, 776; La Cruz
1088, 1317, 1745, 1897, 2289, 2292, 2344, 2411, 2868, 3140, 3462,
3747, 3910, 4493] Brazil.

Illustration: Vell. Fl. Flum. Ic. 4: pl. 62.

Note. Recorded by Bentham from St. Kitts.

9. Chamaefistula tolimensis B. & R., ined.

Honda, Tolima, Colombia [Pennell 3559]

Chamaefistula tolimensis

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10. Chamaefistula bacillaris (L.f.) G. Don, Gen. Syst. 2: 451. 1832.

Cassia bacillaris L.f. Suppl. 231. 1781.

Cathartocarpus bacillus Pers. Syn. 1: 459. 1805.

Cassia puberula H.B.K. Nov. Gen. 6: 341. 1824.

Chamaefistula puberula G. Don, Gen. Syst. 2: 441. 1832.

Type locality: Surinam.

Distribution: Tobago [Eggers 5518; Broadway 2451]; Trinidad [Kuntze 622; Britton 2180; Britton & Hazen 96]; Margarita [Miller & Johnston 62]; Dutch Guiana [Kegel 66; Samuels 300]; British Guiana [Hitchcock 16546; Jenman 5845]; Venezuela [Broadway 176; Pittier 11943; Bond, Gillen & Brown 45]; Colombia [Pennell 4749, 3714; Killip & Smith 14319, 14517, 14686] St. Vincent. Porto Rico. Panama. Costa Rica. Brazil.

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 31.

11. Chamaefistula insignis (N. E. Brown) *McA*

Cassia insignis N. E. Brown, Trans. Linn. Soc. II. 6: 24. 1901.

Type locality: Upper slopes of Mt. Roraima, British Guiana.

Distribution: type locality and vicinity [Quelch & McConnell 23 co-type; Tate 248, 260]

12. Chamaefistula Gleasoni B. & R., ined.

British Guiana [La Cruz 4353 type; Schomburgk 881]

13. Chamaefistula Smithiana B. & R., ined.

Santa Marta, Colombia [H. H. Smith 251, type; 250]

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14. Chamaefistula huilana B. & R., ined.

Cordillera oriental, east of Neiva Huila, Colombia [Rusby & Pennell
639 type; 856; ? André 215] *Polanisia (Pennell 1278)*
polanisia

15. Chamaefistula Currani B. & R., ined.

Estrella, Bolivar, Colombia [Curran 348]
polanisia

Polanisia
16. Chamaefistula pallidiflora R. & R., ined.

Tierra Alta, Rio Sinu, Bolivar, Colombia [Pennell 4666]
polanisia

17. Chamaefistula (?) caucana B. & R., ined.

Cuesta de Tocota, Cauca, Colombia [Pittier 720]
polanisia

18. Chamaefistula oxyphylla (Kunth) G. Don, Gen. Syst. 2: 451. 1832.

Cassia oxyphylla Kunth, Mim. 129. 1819.

Type locality: Monte Cocollar, Cumana, Venezuela.

Distribution: Venezuela [Pittier 9515, 9876, ¹²²⁵¹12561; E. Pittier
151; Curran & Haman 993] Colombia [Killip & Smith 14782]

Illustration: Kunth, loc. cit. pl. 39; Benth. Trans. Linn. Soc.

27: pl. 61.

89
19. Chamaefistula inaequilatera (Balbis) G. Don, Gen. Syst. 2:
490. 1832.

Cassia inaequilatera Balbis; DC. Prodr. 2: 490. 1825.

Type locality: Santa Marta, Colombia.

Distribution: Colombia [H. H. Smith 700, from type region]
Venezuela (ex Pittier)

20. Chamaefistula Hartwegii (Benth.)

Cassia Hartwegii Benth. Pl. Hartw. 117. 1839.

Type locality: Near Guayaquil, Ecuador.

Distribution: Ecuador [Rose & Rose 22467]

21. Chamaefistula puberula R. & R., ined.

Chamaefistula puberula Santa Marta, Colombia [Purdie]

22. Chamaefistula Jahniana B. & R., ined.

Bobures, Venezuela [A. Jahn 368]

Chamaefistula

90

23. Chamaefistula pumila Britton & Rose; Pittier, Arb. & Arb. Legum.
122. 1828.

Venezuela [Pittier 10402, 12452; Curran & Haman 897; Fendler
327; E. Pittier 22, 150; Saer 264]

24. Chamaefistula scandens (R. & P.) *dark*
Cassia scandens R. & P.; G. Don. Gen. Syst. 2: 440. 1832.

Type locality: Guayaquil, Ecuador.

Distribution: Known to me only from description.

25. Chamaefistula Ruiziana G. Don, Gen. Syst. 2: 451. 1832.

Cassia Ruiziana Vogel, Syn. Cass. 40. 1837.

Type locality: Guayaquil, Ecuador.

Distribution: Known to me from description only.

26. Chamaefistula axillaris Pittier, Arb. & Arb. Venez. 89. 1927.

Type locality: Alrededores de Petare, Miranda, Venezuela.

Distribution: Type locality [Pittier 9801]

~~27. Chamaefistula foliosa Pittier, Arb. & Arb. Venez. 90. 1927.~~

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27. Chamaefistula foliosa Pittier, Arb. & Arb. Venez. 90. 1927.

Type locality: El Liman, valley of Puerto La Cruz, Federal District, Venezuela.

Distribution: Type locality [Jahn 1301]

see list 493

28. Chamaefistula hemicardia Pittier, Arb. & Arb. Venez. 90. 1927.

Type locality: Alrededores de Las Mostazas, Miranda, Venezuela.

Distribution: Type locality [Allart 199]

29. Chamaefistula Hoffmansegii (Mart.)

Cassia Hoffmansegii Mart.; Benth. in Mart. Fl. Bras. 15²: 104. 1870.

Type locality: Para, Brazil.

Distribution: French Guiana (ex Benthams); Brazil.

Note: Not in New York Herbarium, June, 1928.

30. Chamaefistula Fockeana (Miquel)

Cassia Fockeana Miquel, Linnaea 18: 579. 1844.

Type locality: Spontaneous in garden at Paramaribo, Dutch Guiana.

Distribution: Apparently known only from type locality.

Note: Specimen from Experimental Garden, Paramaribo, Surinam, coll. Stuebel. The species was reduced to C. bacillaris by Benthams.

= bacillaris

92
31. Chamaefistula angusta Britton, provisional

Villavicencio, Meta, Colombia [Pennell 1585]

32. Chamaefistula gracilis Britton, provisional

San Martin, Rio del Palmar, Zulia, Venezuela [Pittier 10529]

33. Chamaefistula apiculata Britton, provisional

Titiribe, near Medellin, Colombia [Toro 419]

34. Chamaefistula subcoriacea Britton, provisional

Upper Rio Libriza, Santander, Colombia [Killip & Smith 16276]

35. Chamaefistula Killipii Britton, provisional

Colombia [Killip & Smith 14919 type, 15415; Toro 584]

36. Chamaefistula Toroana Britton, provisional

Fredonia, near Medellin, Colombia [Toro 848]

37. Chamaefistula Jenmani Britton, provisional
British Guiana [Jenman 2158]

Chamaefistula

38. Chamaefistula acuminata Britton, provisional
Independence Park, Medellin, Colombia [Toro 61]

Chamaefistula

39. Chamaefistula (?) tolimana Britton, provisional
Libano, Tolima, Colombia [Pennell 3278]

No text - not identified

40. Chamaefistula acuminata Britton, provisional
Independence Park, Medellin, Colombia [Toro 61]
[Jenman 2158]

41. Chamaefistula acuminata Britton, provisional
Independence Park, Medellin, Colombia [Toro 61]
[Jenman 2158]

42. Chamaefistula acuminata Britton, provisional
Independence Park, Medellin, Colombia [Toro 61]
[Jenman 2158]

43. Chamaefistula acuminata Britton, provisional
Independence Park, Medellin, Colombia [Toro 61]
[Jenman 2158]

Adipera Raf.
Type species: *Cassia Holboelliana* Lindl.

94

30 ~~Adipera in northern South America~~

1. Adipera indecora (H.B.K.)

Adipera Raf. *Flora* 23: 232, 1930

Cassia indecora H.B.K. Nov. Gen. 6: 344. 1824.

Chamaefistula indecora G. Don, Gen. Syst. 2: 432. 1832.

Cassia bicapsularis pubescens Benth. Trans. Linn. Soc. 27: 525. 1871.

Cassia bicapsularis indecora Urban, Symb. Ant. 2: 268. 1900.

Type locality: Caracas, Venezuela.

Distribution: Trinidad [Britton & Broadway 2821] Venezuela

[Pittier 9721, 12548; Fendler 328; Rusby & Squires 189;

Bond, Gillin & Brown 148]; Colombia [Pennell 3908; Killip

3421; Pennell, Killip & Hazen 8522, 8607; Killip & Smith

19415, 20038; ^{draw 726;} Holton 984]

2. Adipera laevigata (Willd.) B. & R.; B. & W. Sci. Surv. P. R. & V. I.

5: 371. 1924.

Cassia laevigata Willd. Enum. 441. 1809.

Chamaefistula laevigata G. Don. Gen. Syst. 2: 452. 1832.

Type locality: not cited ?

Distribution: Guiana (ex Bentham) Colombia [Toro 561] Sinaloa

to Guatemala. Cuba. Porto Rico. Jamaica. Old World

tropics.

Illustration: Callad. Hist. Cass, pl. 5.

- 95
3. Adipera bicapsularis (L.) B. & R.; B. & W. Sci. Surv. P. R. &
V. I. 5: 370. 1924.

Cassia bicapsularis L. Sp. Pl. 376. 1753.
Cassia pendula Willd. Enum. 440. 1809.
Cassia coluteoides Collad. Hist. Cass. 102. 1816.
Senna bicapsularis Roxb. Fl. Ind. 2: 342. 1824.

Type locality: India.

Distribution: Trinidad [Britton, Freeman & Brown 2776];
Curacao [Britton & Shafer 3089]; Bonaire [Boldingh 7311];
British Guiana [Jenman 5625; Hitchcock 16715] Venezuela
[Broadway 165, 588, 705; Colombia [Triana 4401; Schott;
Pennel 3938, 4075, 4723, 4727; H. H. Smith 256, 257,
699; Killip & Smith 14028]; Ecuador [Sinclair]
Illustrations: Collad. loc. cit. pl. 12; Britton Fl. Berm. f.
192.

4. Adipera tomentosa (L.f.) B. & R., ined. *See Andre 59:24/1930*

Cassia tomentosa L.f. Suppl. 231. 1781.
Cassia multiglandulosa Jacq. Ic. Rar. 1: pl. 72.
Cassia lutescens G. Don. Gen. Syst. 2: 442. 1832.
Cassia albida Ort. Dec. 8: 92.

Type locality: South America.

Distribution: Colombia [Triana 4402; Schlim. 941, Andre 1283;
Pennell 2345, 7137, 7137; Toro 748]; Ecuador [Conthony; Pachano
101]

Illustration: Jacq. loc. cit. pl. 72.

Note. *See Andre, 2744bis, Colombia.*

5. Adipera Hitchcockii B. & R., ined.

Milago Guayas, Ecuador [Hitchcock 20298]

Adipera Hitchcockii

6. Adipera arborea Britton, ined.

Mesa do los Santos, Santander, Colombia [Killip & Smith 15180]

Adipera arborea

7. Adipera Jahni Rose, ined.

Venezuela [Jahn 73, 708, 1171 in U. S. Nat. Herb.]

Yajaira 12

Note. Not in New York Herb. July, 1928

8. Adipera santanderensis ined

9. Adipera *Adipera* *Adipera* *Adipera*, ined

Adipera *Adipera* *Adipera* 12641, 13159

10 - *Adipera* *Adipera* 12832 " *Adipera* *Adipera*

11. *Adipera* *Adipera* *Adipera* *Adipera*

Emelista Raf.
Type species: *Cassia pitensis* L.

97

31. ~~*Emelista* in northern South America~~

1. *Emelista pilifera* (Vogel) B. & R., ined. *Pittier, Journ. Herb. Acad. 19: 176, 1929*

Cassia pilifera Vogel, Syn. Cass. 23. 1837.

Type locality: Brazil.

Distribution: Colombia [Schlim 268]. Durango to Panama.

Bolivia and Brazil to Uruguay *Correa*

2. *Emelista tora* (L.) B. & R.; B. & W. Sci. Surv. P. R. & V. I. 5: 371. 1924.

Cassia tora L. Sp. Pl. 376. 1753.

Cassia obtusifolia L. Sp. Pl. 377. 1753.

Cassia Tala Desv. Journ. Bot. 3: 23. 1814.

Type locality: India.

Distribution: Tobago [Eggers 5475]; Trinidad (ex Grisebach);

French Guiana [Broadway 38; 475]; British Guiana [Jenman 5630;

Hitchcock 16705; 16643]; Venezuela [Broadway 303];

Colombia [H. H. Smith 31; Heriberto 163; Pennell 3863;

Killip 5373; Killip & Hazen 8380; Killip & Smith 14038,

14089, 14195], Southern United States; West Indies;

tropical continental America, Old World tropics.

Illustrations: Britton & Brown, Ill. Fl. f. 2036; ed. 2,

f. 2437; Desv. loc. cit. pl. 73.

3. *Emelista mucronulosa* Pittier, ined. *Journ. Herb. Acad. 19: 176, 1929*

Venezuela. [Saer 282, ex Pittier]

= *Diallobea uniflora*

Note. Not in New York Herbarium, July, 1928.

Emelista only 1-4 spec. seen

4. Emelista dysophylla (Benth.)

98

Cucurbit

4. Emelista dysophylla Benth. in Mart. Fl. Bras. 15²: 117. 1870.

Type locality: Goyaz, Brazil.

Distribution: British Guiana [Schomburgk 471]. Brazil.
Bolivia.

Herpetica Raf.
Type species: *Cassia alata* L.

99

32 ~~Herpetica in northern South America~~

Cassia alata L. N. M. 376. 1755.

1. *Herpetica alata* (L.) Raf. Sylva Tell. 123. 1838.

Cassia herpetica Jacq. Obs. 2: 24. 1767.

Cassia bracteata L.f. Suppl. 232. 1781.

Type locality: tropical America.

Distribution: French Guiana [Melinon]; Dutch Guiana [Samuels 309, 479]; British Guiana [La Cruz 1091, 3066, 3777, 4000; Hitchcock 16777]; Venezuela [Broadway 159; Rusby & Squires 19; Bond, Gillin & Brown 144]; Colombia [Rusby & Pennell 278; Lehmann B. T. 372]. West Indies (except Bahamas; Guerrero and Yucatan to Panama. Brazil. Paraguay. Old World tropics.

Illustration: Jacq. loc. cit. pl. 45, f. 2.

3 - Apoucouita in northern South America

1. Apoucouita Apoucouita (Aubl.)

- Cassia Apoucouita Aubl. Pl. Guian. 1: 379. 1775.
Cassia acuminata Willd. Sp. Pl. 2: 517. 1799.
Cassia nitida Rich. Act. Soc. Hist. Nat. Paris 1: 108. 1792.
Cassia ramiflora Vogel, Syn. Cass. 48. 1837.
Cassia adenopoda Miquel, Linnaea 19: 436. 1846.

Type locality: French Guiana. *Venezuela [Holtz & Kuhn 646]*

Distribution: French Guiana; Saget 802 Brazil.

Illustrations: Aubl. loc. cit. pl. 146; Benth. in Mart.

Fl. Bras. 15²: pl. 40.

Stenodorylla (Vanderhoff)

2. Apoucouita (?) adiantifolia (Benth.)

Cassia adiantifolia Benth. in Mart. Fl. Bras. 15²: 130. 1870.

Type locality: Rio Napés, northern Brazil. *Nov 1868*

Distribution: British Guiana [Jenman 4265; Leng 63] Brazil.

Illustration: Benth. Trans. Linn. Soc. 27: pl. 68.

Note. Probably a distinct genus; fruit needed.

Cassia Stenodorylla *Paudvath, Kew Bull.*
1928: 375. 1928

East of Kaduvi River, Magway District
British Guiana

Apoucouita ? -
River Guiana - Harky & Piquis 24 - in fruit

94 Senna in northern South America

1. Senna obovata (Collad.) Betka, Mon. Senn. 32, 46. 1866.

Cassia obovata Collad. Hist. Cass. 92. 1816.

Type locality: Egypt.

Distribution: Aruba [Boldingh 6215]; Bonaire (ex Boldingh);

Margarita [Miller & Johnston 228]; St. Thomas St. Martin

St. Eustatius. Native of the Old World tropics.

Illustration: Collad. loc. cit. pl. 15, f. A.

Venezuela Pittier 10489 ; Jamaica, Hispaniola

Sericeo caria Britton
Type species: *Cassia uniflora* Mill

102

85 ~~Diallobus in northern South America~~

Sericeo caria

Britton; *Trans. Amer. Soc.* 23: 246. 1930

1. ~~Diallobus uniflorus~~ (Mill.) Raf. ~~Sylva Tell.~~ 128. 1828.

Cassia uniflorus Mill. Dict. Gard. ed. 8. No. 5. 1768.

Cassia ornithopoides Lam. Dict. 1: 644. 1783.

Cassia sericea Swartz, Fl. Ind. Occid. 724. 1788.

Cassia sensitiva Jacq. Collect. 2: 362. 1788.

Cassia ciliata Hoffm. in DC. Prodr. 2: 493. 1825.

Cassia monantha DC. Prodr. 2: 506. 1825.

Type locality: Campeche.

Distribution: Margarita [Miller & Johnston 56]; Venezuela
[Pittier 6401, ex Rau]; Galapagos [Wheeler, Rose & Beebe 6]. El
Salvador to Sonora and San Luis Potosi. Jamaica; Cuba; Hispaniola.
Brazil.

Illustrations: Jacq. Ic. Rar. pl. 459; Benth. in Mart. Fl.
Bras. 15²: pl. 35, f. 1; Fawcett & Rendle, Fl. Jam. 4²: f. 33.

Ditremexa Raf.
Type species: *Cassia occidentalis* L.

(103)

6. *Ditremexa* in northern South America

1. *Ditremexa occidentalis* (L.) B. & R.; B. & W. Sci. Surv. P. R. & V. I. 5: 372. 1924.

Cassia occidentalis L. Sp. Pl. 377. 1753.
Cassia foetida Pers. Syn. 1: 457. 1805.

Type locality: Jamaica.

Distribution: Trinidad [McLean]; French Guiana [Broadway 160]; British Guiana [Jenman 4408; Hitchcock 16717; Gleason 255, 538, 858; La Cruz 1075, 3697, 4329]; Venezuela [Rusby & Squires 13; Broadway 16]; Colombia [Holton 983; Lehmann 8988; H. H. Smith 70; Arist-Joseph 1037; Pennell 3816, 5644; ^{Weller 83;} Killip & Hazen 8373; Killip & Smith 14229, 16439, 20950]. Southern United States; Mexico and Central America. Bermuda. West Indies. Brazil, Paraguay. Old World tropics.

Illustrations: Bot. Reg. pl. 83; Britton & Brown Ill. Fl. f. 2038; ed. 2, f. 2440; Britton, Fl. Berm. f. 193.

2. *Ditremexa Sophera* (L.) B. & R.; B. & W. Surv. P. R. & V. I. 5: 372. 1924.

Cassia Sophera L. Sp. Pl. 379. 1753.

Type locality: India.

Distribution: Curaçao [Boldingh 5306]; Trinidad [Broadway 8814]; Venezuela [Pittier 9712, 11563]; Colombia [Toro 84] West Indies. Vera Cruz. Panama. Brazil. Old World tropics.

3. Ditremexa hirsuta (L.) B. & R.; B. & W. Sci. Surv. P. R. & V. I.

5: 372. 1924.

Cassia hirsuta L. Sp. Pl. 378. 1753.

(?) Cassia curacasana Jacq. Hort. Schoenb. 3: 11. 1798.

Cassia venenifera Rodsch.; Meyer, Prim. Fl. Essq. 167. 1818.

Type locality: America.

Distribution: Tobago [Eggers 5945]; Trinidad [Kuntze 885; Britton, Hazen & Mendelson 1080]; Dutch Guiana [Kegel 315]; British Guiana [Jenman 2160, 4204; La Cruz 2058, 2090]; Venezuela [Pittier 9134]; Colombia [André 1479; Lehmann B. T. 607, 5511, 5364; Pennell 3346; Tero 7, 48, 70, 671] Jamaica. Porto Rico. Guadaloupe. Martinique. St. Vincent. ^{Tobago, Trinidad, Colombia to British Guiana} El Salvador, Peru. Bolivia. Brazil.

Illustration: (?) Jacq. loc. cit. pl. 270; Benth. in Mart. Fl.

Bras. 15²: pl. 34, f. 1.

21: 256. 1890
4. Cassia hirsuta L. Sp. Pl. 378. 1753. Cassia curacasana Jacq. Hort. Schoenb. 3: 11. 1798.
Cassia venenifera Rodsch.; Meyer, Prim. Fl. Essq. 167. 1818.
Colombia [Pennell 5364; Lehmann B. T. 5511, 5364; Tero 7, 48, 70, 671] Venezuela [Pittier 9134].
Jamaica. Porto Rico. Guadaloupe. Martinique. St. Vincent. ^{Tobago, Trinidad, Colombia to British Guiana} El Salvador, Peru. Bolivia. Brazil.

See revision

✓ 7 Peiranisia in northern South America

1. Peiranisia biflora (L.) Pittier, Arb. & Arb. Legum. 128. 1928.

Cassia biflora L. Sp. Pl. 378. 1753.

Cassia tenuissima L. Sp. Pl. ed. 2, 541. 1763.

Cassia pallida Vahl, Eclog. 3: 12. 1807.

mut { Cassia nemorosa H.B.K. Nov. Gen. 6: 353. 1824.

Cassia nemorosa H.B.K. Nov. Gen. 6: 352. 1824.

Type locality: described from cultivated plant, said to be from India.

Trinidad (Rockfort, ex Williams)

Distribution: Margarita [Miller & Johnston 61]; Venezuela [Parker; Kuntze 1285]; Colombia [H. H. Smith 249; Rusby & Pennell 348; Pennell 3974, 4726; Killip & Smith 14040, 14621]; Ecuador [Eggers 14722]. Bahamas. Cuba. Grenada. Sinaloa and Chihuahua to Costa Rica.

Illustration: Bot. Mag. pl. 810 (7); Nat. Mag. pl. 1310.

2. Peiranisia robinaefolia (Benth.)

Cassia robinaefolia Benth. Trans. Linn. Soc. 27: 543. 1871. ✓

Type locality: Cuba

✓ Distribution: Colombia (Ocaña, Schlim 2, ex Benth). Cuba.

3. Peiranisia viciaefolia (Benth.) Pittier, Arb. & Arb. Legum. 128. 1928.

Cassia viciaefolia Benth. Trans. Linn. Soc. 27: 544. 1871.

Type locality: Venezuela [Colonia Tovar]; not Colombia.

Distribution: Venezuela [Pittier 6060, 11335, 11692, 12256 ex

deser.] Ecuador [Hitchcock 20085?]

Note. Species based on (Fendler 2230, 2231). Not in Gray, Herb., Nat. Herb. or H. Y. B. 8.

4. Peirania mirandina B. & R.; Pittier, Arb. & Arb. Legum. 128.

1928.

Type locality: [See Pittier 7523]

= in Ilave

Distribution: Venezuela [~~Fendler 322; Pittier 5909; E. Pittier 156; Bailey 197; all ex descr.~~]

Note. ~~Type not in N. Y. Herb. June, 1928. Ask Washington.~~

✓ 5. Peirania Saeri B. & R.; Pittier, Arb. & Arb. Legum. 129. 1928.

Type locality: Venezuela (no type cited by Pittier)

Distribution: Venezuela [Saer 8, 190, ex descr.] in Ilave 3098.

Note. ~~Ask Washington.~~

✓ 6. Peirania macrochlamys Pittier, Arb. & Arb. Venez. 92. 1927.

Type locality: Rio Portugueso, Venezuela.

Distribution: Venezuela [Pittier 12026; Saer 254] ? Pittier 11311.

✓ 7. Peirania magniflora B. & R.; Pittier, Arb. & Arb. Legum. 130. 1928.

Type locality: Valencia, Carabobo, Venezuela.

Distribution: Venezuela [Pittier 8678a]

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✓ 8. Peirania velutina Britton, provisional

Colombia [Lehmann B. T. 822 type; 827; ~~Killip & Smith 20750~~]

✓ 9. Peirania colombiana B. & R.

Colombia [Lehmann 5504]

Note. Gland subglobose.

✓ 10. Peirania Mutisiana (Kunth) Pittier, Arb. & Arb. Legum. 128. 1928.

Cassia Mutisiana Kunth, Mim. 142. 1819.

Type locality: New Gren^aada.

Distribution: Venezuela (Merida, coll. Jahn, ex Pittier);

Colombia [Holton; Triana 4405; Hartweg 960; Rusby & Pennell 850; Killip
& Hazen 9631; Killip & Smith 16400; 19404; 19807]

Illustration: Kunth, loc. cit. pl. 43.

Peirania umbellata B. & R., ined.

Ecuador [Rose & Rose 22430]

Pei Parv. P. R. & P. J. 6: 350 (108) 1926

✓ 12. Peirania multijuga (Rich) Britton & Rose; Britton & Melan

Cassia multiflora Rich. Act. Soc. Hist. Nat. Paris 1: 108. 1792.

Cassia Richardiana Kunth, Mim. 139. 1819.

Cassia Sellowii G. Don. Gen. Syst. 2: 442. 1832.

Cassia calliantha G. F. W. Meyer, Prim. Fl. Esseq. 169. 1850.

ret (Cassia magnifica Mart. Herb. Fl. Bras. 106.

Cassia amplifolia Steud.

Type locality: Cayenne.

Distribution: Trinidad [Trin. Herb. 1361, 2778]; French Guiana [Melinon 252; Broadway 525, 914]; British Guiana [Jenman 7175; Gleason 390; La Cruz 963, 1883, 4208, 4374; ^{Altman} Tate 119; in Thurn 1910]; Brazil. Peru (ex Benth)

Illustrations: Kunth, loc. cit. pl. 42; Benth, in Mart. Fl. Bras. 15²: pl. 37.

13. Peirania brachypoda Britton, provisional

Motatan Valley, on flats of river below Las Quebradas, Trujillo, Venezuela [Pittier 12641]

37a. Anthropocarpus procarina - Pittier

1. Anthropocarpus venezuelensis Britton, and Peirania brachypoda Pittier and Peirania brachypoda - Pittier 12870, type; 13167; 13258.

2. Anthropocarpus procarina brachypoda Britton and Peirania brachypoda Pittier and Peirania brachypoda - Pittier 16697, type; base procarina

Isandrina Raf
Type species: Cassia emarginata L

38 *Isandrina* in northern South America

1. *Isandrina emarginata* (L.) B. & R.; B. & W. Sci. Surv. P. R. & V. I. 5: 374. 1924.

Cassia emarginata L. Sp. Pl. 376. 1753.
Cassia arborescens Mill. Gard. Dict. ed. 8, no. 15. 1768.
Cassia elliptica H.B.K. Nov. Gen. 6: 356. 1823.
Cassia canescens H.B.K. Nov. Gen. 6: 357. 1823.
Isandrina arborescens Raf. Sylva Tell. 126. 1838.
(?) *Cassia siliquosa* Areschoug, Freg. Eugenies Resa 141. 1910.

Type locality: Caribbean Islands.

Distribution: Margarita [Johnston 24; Miller & Johnston 201];
? Bailey 1882]
Venezuela [Curran & Haman 779; Pittier 10316, 10500; Saer 135; Colombia
[Elias 126; Heriberto 359; H. H. Smith 20, 16b; Killip & Smith 14027,
14071, 14481, 21096] Ecuador (ex H.B.K.). Costa Rica to Sonora and Tamaulipas;
Jamaica; Cuba; Hispaniola; Porto Rico; Guadeloupe.

Illustration: Sloane, Hist. Jam. pl. 180, f. 1-4.

2. *Isandrina atomeria* (L.) B. & R., ined.

Cassia atomeria L. Mant. 68. 1767.
? *Cassia nutans* Collad. Hist. Cass. 113. 1816.

Type locality: America.

Distribution: Ecuador [Rose & Rose 23586; Hitchcock 21272];
Guatemala to Sinaloa. Bolivia.

Illustration: ? Collad. loc. cit. pl. 4.

3. *Isandrina turbacoana* Britton, provisional

Vicinity of Turbaco, Bolivar, Colombia [Killip & Smith 14481]

with druse - emarginate

4. Isandrina mollissima (H. & B.)

Cassia mollissima H. & B. Willd. Enum. Hort. Berol 440. 1809.

Cassia laeta H.B.K. Nov. Gen. 6: 340. 1824.

Cathartocarpus laetus G. Don. Gen. Syst. 2: 454. 1832.

Type locality: South America, Probably Guayaquil, Ecuador.

Distribution: Known to me only from the description.

Note. Not identified in New York Herbarium 1928.

Islandia mollissima

39 ~~Chamaesenna in northern South America~~

Chamaesenna Raf.; Pittier, Arb. & Arb. Legum. 130, 1928

Type species: Chamaesenna reticulata (Willd.) Pittier.

1. Chamaesenna reticulata (Willd.) Pittier, Arb. & Arb. Legum. 130.
1928.

Cassia reticulata Willd. Enum. Hort. Berol. 443. 1809.

Cassia Tarantian H.B.K. Nov. Gen. 6: 347. 1824.

Cassia dumetorum Bert.; DC. Prodr. 2: 499. 1825.

Type locality: Para, Brazil.

Distribution: Trinidad [Britton & Hazen 1923]; British Guiana
[Hitchcock, 16530; Jenman 5242; La Cruz 2310]; Venezuela [Pittier
12028; Bailey 1614]; Colombia [Holton; H. H. Smith 248; Pennell &
Rusby 42; Killip & Hazen 838, 11061; André 180; Killip & Smith 14595];
Guatemala to Panama, Bolivia, Brazil.

Ecuador [Mille 30]

- ✓ 2. Chamaesenna pistaciaefolia (H.B.K.) Britton

Cassia pistaciaefolia H.B.K. Nov. Gen. 6: 349. 1824.

Type locality: between Popayan and Meneses, Colombia.

Distribution: Colombia [Popayan, Lehmann 8539, ex descr.]

3. Chamaesenna fraxinifolia (H.B.K.)

Cassia fraxinifolia H.B.K. Nov. Gen. 6: 349. 1824.

Cassia cuspidata W. & B.; Willd. Enum. Hort. Berol. 443. 1809.

Cassia pistaciaefolia glabra Benth. Trans. Linn. Soc. 27: 551. 1871.

Type locality: near Jaen de Bracamoras [Peru]

Distribution: Colombia (~~ex Benth~~)

(?)
4. Chamaesenna racemosa (Mill.)

Not Chamaesenna

Cassia racemosa Mill. Gard. Dict. ed. 8, no. 19. 1768.

Cassia trinitatis Benth. Journ. Bot. Hook. 2: 77. 1840. Not Rchb.

Type locality: Cartagena, Colombia.

Distribution: British Guiana (ex Benth); Colombia (ex Miller; ex Benth). Brazil. Bolivia.

Note. Only Bolivian specimens in N. Y. Herb. June, 1928.

See specimens of trinitatis

5. Chamaesenna colombiana Britton, provisional

Colombia [Toro 866 type; 839]

Described, not here

6. Chamaesenna velutina Britton, provisional

Colombia [Killip & Smith 19655]

Described, not here

113
7. Chamaesenna occidentalis Britton, provisional

Quito, Ecuador [Johansen 5]

= *reticulata*

8. Chamaesenna (?) santanderensis Britton, provisional

Santander, Colombia [Killip & Smith 16697 type; 16101, 16886,
18397, 19224, 19518, 20495]

~~24~~ Pictacassia in northern South America
~~Staphanocassia~~

8 L. Pictacassia picta (G. Don.)

Cassia picta G. Don, Gen. Syst. 2: 444. 1832.

Cassia applanata N. J. Anders. Galap. Veg. 254. 1854.

Type locality: Guayaquil, Ecuador.

Distribution: Ecuador [Hitchcock 20023; Rose & Rose 22461; Rose, Pachano and Rose 23505] Galapagos (ex Andersen)

Leaves in Chimborazo

Echinocassia aculeata Benth. & R.
Type species: *Cassia aculeata* Pohl

115

40 *Echinocassia* in northern South America

1. *Echinocassia aculeata* (Pohl.) B. & R., ined. *N. Amer. Flora* 23: 251, 1930.

Cassia aculeata Pohl; Benth. in Mart. Fl. Bras. 15²: 128. 1870.

Chamaesenna aculeata Pittier, Arb. & Arb. Legum. 131. 1928.

Type locality: Goyaz, Brazil.

Distribution: Venezuela [Pittier 12023] Cuba. X

Illustration: Benth. loc. cit. pl. 39.

Dicorynia Benth
Type species: *Dicorynia Maronensis* Benth

116

41 Dicorynia in northern South America

1. Dicorynia paraensis Benth. Journ. Bot. Hook. 2: 83. 1840.

Dicorynia Spruceana Benth. in Mart. Fl. Bras. 15²: 81. 1870.

Type locality: Para, Brazil.

Distribution: Venezuela [Spruce 1918, 3501]; French Guiana
(according to Benoist)

Illustration: Benth. in Mart. Fl. Bras. pl. 29.

2. Dicorynia ?

Maroni, French Guiana [Melinon 300]

Note. Evidently distinct from D. paraensis. This genus?

Vouacapoua Aubl.
Type species: Vouacapoua americana
Aubl. 117

142 Vouacapoua in northern South America

1. Vouacapoua americana Aubl. Pl. Guian. Suppl. 9. 1775.

Type locality: Forests of Guiana.

Distribution: Known to me only from description and illustration.

Illustration: Aubl. loc. cit. pl. 373.

Note. Genus placed by Benoist (Bull. Soc. Bot. France 66: 384)
between Sclerolobium and Dicorynia. Not the same as Andira.

See Benoist

Martia hutchinsonii [unclear]
Type locality: *Martia excelsa* Benth.

118

43. *Martia* in northern South America

1. *Martia excelsa* Benth. in Mart. Fl. Bras. 152: 79. 1870.

Martinsia excelsa Benth. Journ. Bot. Hook. 2: 84. 1840.

Type locality: Essequibo River, British Guiana.

Distribution: British Guiana.

Illustration: Benth. loc. cit. pl. 37.

Note. Not in New York Herbarium, June, 1928.

2. *Martia parvifolia* Benth. in Mart. Fl. Bras. 152: 80. 1870.

Martinsia parvifolia Benth. Journ. Bot. Hook. 2: 103. 1840.

(?) *Amphymenium mediterraneum* Mart.; Benth. Ann. Mus. Wien. 2: 95.

Type locality: Piaubi, Brazil.

Distribution: Dutch Guiana [Samuels 243]. Brazil.

Illustration: Benth. loc. cit. pl. 28.

Moldenhauera *Paired*
Type 1 pair: *Moldenhauera* *Paired*

119

44

Moldenhauera in northern South America

1. Moldenhauera mollis Benth. in Mart. Fl. Bras. 15²: 77. 1870.

Type locality: La Victoria, Venezuela.

Distribution: Known only from the type locality, and to me from description only.

See Picture

Parkinsonia B
Parkinsonia aculeata L
125
145 Parkinsonia in northern South America

1. Parkinsonia aculeata L. Sp. Pl. 375. 1753.

Parkinsonia spinosa H.B.K. Nov. Gen. 6: 335. 1824.

Type locality: Tropical America. [not near the same locality as *P. aculeata*]

Distribution: Trinidad (ex Grisebach); Margarita [Miller & Johnston 63]; Curacao [Curran & Haman 211]; Dutch Guiana [Schweinitz]; British Guiana [Jenman 6552]; Venezuela [Stevens; Jahn 676; Rusby & Squires; Broadway 347] Colombia [Schott 17; Holtan 978; André 1865 bis; Toro 56; Lehmann B. T. 1176; Pennell 5639; Rusby & Pennell 328; Killip & Smith 21014]; Galapagos [Wheeler, Rose & Beebe 21]

Illustrations: Jacq. Stirp. Am. pl. 80; Mart. Fl. Bras. 15²: pl. 26; Sargent Silva N. Am. pl. 131. Man. Trees N. A. f. 463, ed. 2, f. 560; Britton & Shafer N. Am. Trees f. 501.

Haematoxylum L.

Type & Locality: *Haematoxylum campechianum L.* 12/11

46 ^{on} *Haematoxylum* in northern South America

- ✓ 1. *Haematoxylum* ^{see} campechianum L. Sp. Pl. 384. 1753.

Type locality: Campeche.

Distribution: Tobago [Eggers 5674]; Trinidad (ex Grisebach ;
Venezuela (ex Pittier). West Indies. Yucatan to Honduras.

Illustrations: Lam. Ill. pl. 341; Tussac, Fl. Ant. pl. 1;

Descourt. Fl. Ant. 2: pl. 73.

2. *Haematoxylum* ^{see} Brasiletto Karst. Fl. Col. 2: 27. 1862.

Type locality: Foot of the Andes, northern Colombia.

Distribution: Bonaire [Boldingh 7468 ; Curacao [Curran & Haman
252; Britton & Shafer 3054; Killip & Smith 21062]; Venezuela
[Curran & Haman 431; Pittier 11310] Colombia [H. H. Smith 258;
Killip & Smith 21094, 21106; record 78, 85]

Illustration: Karst. loc. cit. pl. 114.

Cercidium L. Tulare
Type species: *Cercidium spinosum* L. Tulare

122

47 ~~Cercidium in northern South America~~

1. *Cercidium praecox* (R. & P.) Harms, Bot. Jahrb. 42: 91. 1908.

Caesalpinia praecox R. & P.; H. & A. Bot. Misc. 3: 208. 1833.²

Cercidium spinosum Tul. Arch. Mus. Paris 4: 133. 1844.

Rhinophloeum viride Karst. Fl. Col. 2: 25. 1862.

Cercidium viride Taub. in E. & P. Nat. Pflf. 33: 172. 1892.

Type locality: Between Mendoza and the Papagayos,
Argentina.

Distribution: Curaçao [Curran & Haman 258]; Margarita
[Johnston 31]; Venezuela [Pittier 10486, 11177; Curran
& Haman 423]; Colombia [Killip & Smith 21016]; Ecuador
[Hitchcock 21331]. Peru. Argentina. Hispaniola.

Illustration: Karst, loc. cit. pl. 113.

* Karst, Bot. Jahrb. 8: 346. 1887

Delonix regia

123

Type species: Poinciana regia Bojer

448 Delonix in northern South America

1. Delonix regia (Bojer) Raf. Fl. Tell. 2: 92. 1836.

Poinciana regia Bojer; Hook. Bot. Mag. pl. 2884. 1829.

Type locality: Madagascar.

Distribution: Widely planted. Tobago [Broadway]; Trinidad;
Margarita [Miller and Johnston 59]; Venezuela (ex Pittier);
Colombia [Killip & Smith 14419]. Florida, West Indies.

Continental tropical America.

Illustrations: Hook. loc. cit.; Reichenb. Exot. Fl. pl. 318.

Libidibia coriaria
Poinciana coriaria Jacq.
124

49. Libidibia in northern South America

1. Libidibia coriaria (Jacq.) Schl. Linnaea 5: 103. 1830.

Poinciana coriaria Jacq. Sel. Stirp. 123. 1763.

Caesalpinia coriaria Willd. Sp. Pl. 2: 532. 1799.

Type locality: Curaçao.

Distribution: Curaçao [Killip & Smith 21054; Britton & Shafer 3025; Boldingh 1329]; Bonaire and Aruba (ex Boldingh); Trinidad [Britton, Freeman & Watts 2707]; Margarita (ex Johnston); Venezuela [Broadway 373; Curran & Haman 515, 574, 837, 911, 952, 1137; Pittier 10199, 11304]; Colombia [H. H. Smith 19; Killip & Smith 14031, 14135, 14438, 14456]. Panama to southern Mexico, Jamaica, Hispaniola, St. Thomas to Montserrat.

Illustrations: Jacq. Sel. Stirp. pl. 175, f. 36; ed. pict. pl. 260, f. 33.

2. Libidibia punctata (Willd.) Britton; B. & W. Fl. P. R. & V. I.

5: 378. 1924.

Caesalpinia punctata Willd. Enum. Hort. Berol. 445. 1809.

Poinciana punctata Poir. in Lam. Encycl. Suppl. 4: 449. 1816.

Caesalpinia paucijuga Benth. in Hook. Ic. pl. 1977. 1891.

Caesalpinia Granadillo Pittier, Arb. & Arb. Ven. 56. 1925.

Type locality: Brazil.

Distribution: Venezuela [Broadway 193; Pittier 10514; Curran & Haman 995] Colombia [Broad 40]

See R. & W. Fl. P. R. & V. I. 5: 378

125
3. Libidibia Ebeno (Karst.) Britton, ined

Caesalpinia Ebeno Karst. Fl. Col. 2: 57. 1862.

Type locality: Northern Colombia.

Distribution: Colombia [H. H. Smith 17, Nov. 1864]

Illustration: Karst. loc. cit. pl. 129.

4. Libidibia corymbosa (Benth.) Britton, ined

Caesalpinia corymbosa Benth. Pl. Hartw. 117. 1839.

Type locality: Near Guayaquil, Ecuador.

Distribution: Ecuador [Hartweg 651; Rose & Rose 23600;

Hitchcock 21405] [H. H. Smith 17] [H. H. Smith 17] [H. H. Smith 17]

Nicarago Northern & Race
Type species: Caesalpinia vesicaria L.

126

50 Nicaragua in northern South America

1. Nicarago vesicaria (L.) B. & R. ined. N. Amer. Flora 29: 319. 1830

Caesalpinia vesicaria L. Sp. Pl. 381. 1753.

Poinciana bijugata Jacq. Enum. 20. 1760.

Caesalpinia bijuga Sw. Obs. 166. 1791.

Type locality: Tropical America.

Distribution: Curaçao (ex Jacquin). Jamaica; ^{Yucatan} Cuba; Bahamas;

Illustrations: Gaertn. Fr. & Sem. pl. 144, f. 1; Sloane, Hist.

Jam. pl. 181, f. 2, 3.

Note. Not recorded from Curaçao by Boldingh.

Tara Molina

Type species: *Tara spinosa* Molina

81. Tara in northern South America

127

spinosa (Molina)

1. *Tara pectinata* (Cav.) B. & R., ined. *Bot. Soc. Peru* 23: 310. 1930

Tara spinosa Molina, *Sagg. Chile* 158. 1782

Caesalpinia pectinata Cav. Descr. 467. 1802.

Tara tinctoria Molina, Sagg. Chile ed. 2, 153. 1810.

Coulteria tinctoria H.B.K. Nov. Gen. 6: 331. 1824.

Coulteria horrida H.B.K. Nov. Gen. 6: 330. 1824.

Caesalpinia tinctoria Benth.; Taubert in E. & P. Nat. Pflf. 3³:
175. 1894.

Type locality: New Spain. Lima, Peru

Distribution: Venezuela [Jahn 925]; Colombia [André 3561;

Ariste-Joseph A 337; Toro 840; Killip & Smith 16458, 16822, 20752];

Ecuador [Hitchcock 20843; Rose & Rose 22142] Peru. Bolivia. Chile.

Illustrations: H.B.K. loc. cit. pl. 569, (?) 568.

Brasilettia (DC) Kuntze

128

Type locality: Margarita, Venezuela

52 *Brasilettia* in northern South America

1. *Brasilettia acutifolia* (Johnston) B. & R., ined

Caesalpinia acutifolia Johnston, Proc. Am. Acad. 40: 686. 1905.

Peltophorum Suringari Urban, Symb. Ant. 5: 363. 1908.

Peltophorum acutifolium Johnston, Proc. Bost. Soc. Nat. Hist. 34: 221. 1909.

(2) *Coulteria mollis* H.B.K. Nov. Gen. 6: 330. 1824.

Type locality: El Valle, Margarita.

Distribution: Margarita [Johnston 33; Miller & Johnston 200];

Curaçoa [Curran & Haman 281; Britton & Shafer 3084] Aruba

[Boldingh 6479; Olieberg 412]; Colombia [H. H. Smith 705] *decolorata*

Note. *Coulteria mollis* was from Santa Marta, Colombia; H. H.

Smith 705 is from same region.

Caesalpinia mollis H.B.K. Symb. Ant. 4: 363. 1827

Poinciana 129

Type species: Poinciana pulcherrima L.

53. Poinciana in northern South America

1. Poinciana pulcherrima L. Sp. Pl. 380. 1753.

Caesalpinia pulcherrima Sw. Obs. Bot. 166. 1791.

Type locality: India.

Distribution: Tobago [Eggers 5912, 5707]; Trinidad; Margarita [Miller & Johnston 64]; French Guiana [Sagot 174]; British Guiana [La Cruz 1013, 1074, 1939, 4042, 3729, 4054]; Venezuela [Stevens; Kuntze 1591]; Colombia [André 466; Holton; H. H. Smith 265; Lehmann B. T. 1096; Toro 110, 490; Killip & Smith 14489, 14922]. Florida. Bermuda. West Indies. Continental tropical America. Old World tropics.

Illustrations: Bot. Mag. pl. 995; Jacq. Sel. Stirp. ed. pict. pl. 120.

Caesalpinia L

130

Type locality: Caesalpinia brasiliensis L

54 Caesalpinia in northern South America

1. Caesalpinia bicolor C. H. Wright, Kew. Bull. 1896: 22. 1896.

Type locality: Chacapoyas, Peru.

Distribution: Colombia [André 2914; Lehmann B. T. 610, 824]

Peru.

2. Caesalpinia - Affinity not recognized. *Phytophthora*

Rio Librija Valley, Santander, Colombia [Killip & Smith 16268]

~~Caesalpinia molle (Humb. & Bonpl.) Greene, Bot. Hb.
Cur. 1825. 169. 1827.
Caesalpinia molle Kunth; Hb. B. Jacq. var. L.
330. 1826.
Adansonia - sericea (L.) Lam. ed. 2. 1: 428
1800.
Type locality:
Punta de la Cruz, near Rio de Janeiro, Brazil.
For the name, see part of the book 2: 204.~~

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Guilandina
Guilandina Bonducella

55 Guilandina in northern South America

1. Guilandina crista (L.) Small, Fl. SE. U. S. 591. 1903.

Caesalpinia crista L. Sp. Pl. 380. 1753.

Guilandina Bonducella L. Sp. Pl. ed. 2, 545. 1762.

Caesalpinia Bonducella Fleming, Asiatic Res. 11: 59. 1810.

Guilandina Bonduc minus DC. Prodr. 2: 480. 1825.

Type locality: Ceylon.

Distribution: Dutch Guiana [Schweinitz]; Venezuela (ex Pittier); Colombia [Heriberto 180; H. H. Smith 2062; Holton 977; Schott 15; Killip & Smith 14112; Pennell 12051]; Ecuador [Lehmann B. T. 729] Florida, Bermuda; West Indies south to Barbados. Sinaloa and Lower California to Panama. Brazil.

Illustrations: Lam. Ill. pl. 336; Gaertn. Fr. & Sem. pl. 148; Mart. Fl. Bras. 15²: pl. 21; Descourt. Fl. Ant. pl. 90; Britton, Fl. Berm. f. 194; Fawc. & Rendle, Fl. Jam. 4²: f. 32.

2. Guilandina ciliata Berg, Vet. Akad. Stock. Handl. 1825²: 431. 1825.

Caesalpinia ciliata Urban, Symb. Ant. 2: 275. 1900.

Type locality: St. Barts.

Distribution: Curaçao [Britton & Shafer 3020; Boldingh 4966];

St. Barts; St. Martin; Saba; Guadeloupe; Antigua ? Martinique ?

Note. The Curaçao plant may be distinct from that of the Leeward Islands.

Tounatea Aubl.
Specimen: Tounatea guianensis Aubl.

56. Tounatea in Northern South America

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✓ 1. Tounatea simplex (Sw.) Taubert, Bot. Centr. 47: 391. 1891.

- Possira simplex Sw. Prodr. 82. 1788.
Rittera simplex Vahl, Symb. 2: 60. 1791.
Rittera grandiflora Vahl, Eclog. 2: 37. 1798.
Swartzia grandiflora Willd. Sp. Pl. 2: 1220. 1800.
Swartzia simplicifolia Willd. Sp. Pl. 2: 1219. 1800.
Swartzia echnacea DC. Mem. Leg. 405. 1825.
Swartzia simplex Spreng. Syst. 2: 567. 1825.

[*Swartzia simplex* Vahl]

Type locality: Caribbean Islands

Distribution: Tobago [Broadway 4646]; Trinidad [Britton, Hazen & Mendelson 673; Britton & Broadway 2420; Britton 2214]

Illustrations: Vahl, Eclog. 2: pl. 9; DC. Mem. Leg. pl. 58.

2. Tounatea eriocarpa (Benth.) Taubert, Bot. Centr. 47: 391. 1891.

Swartzia eriocarpa Benth. in Mart. Fl. Bras. 15²: 17. 1870.

Type locality: Massaroonie, British Guiana.

Distribution: Known to me only from description [See British Guiana - Stevens]

3. Tounatea Hostmanni (Benth.) Taubert, Bot. Centr. 47: 391. 1891.

Swartzia Hostmanni Benth. in Mart. Fl. Bras. 15²: 18. 1870.

Type locality: Surinam.

Distribution: Known to me only from description of the type specimen.

4. Tounatea oblonga (Benth.) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia oblonga Benth. Kew Journ. Bot. 2: 238. 1850.

Type locality: British Guiana.

Distribution: Known to me only from description of the type specimen.

5. Tounatea conferta (Spruce) Taubert, Bot. Centr. 47: 390. 1891.

Swartzia conferta Spruce; Benth. in Mart. Fl. Bras. 15²: 20. 1870.

Type locality: Rio Negro, Venezuela or northern Brazil.

Distribution: Known ~~to me~~ only from ~~description and illustration~~ ^{the type locality}.

Illustration: Benth. loc. cit. pl. 7, f. 2.

6. Tounatea floribunda (Spruce) Taubert, Bot. Centr. 47: 391. 1891.

Swartzia floribunda Spruce; Benth. in Mart. Fl. Bras. 15²: 21. 1870.

Type locality: San Carlos, Rio Negro, Venezuela.

Distribution: Known to me only from description of the type specimen.

*La - Swartzia floribunda -
in Mart*

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7. Toumatea arborescens (Aubl.) Britton, Bull. Torr. Club 16:

325. 1889.

Possira arborescens Aubl. Pl. Guian. 2: 934. 1775.

Rittera triphylla Sw. Prodr. 82. 1788.

Swartzia triphylla Willd. Sp. Pl. 2: 1220. 1799.

Swartzia parviflora DC. Mem. Leg. 403. 1825.

Type locality: French Guiana.

Distribution: French Guiana [Melinon]; Dutch Guiana (ex
Bentham); Colombia (~~ex Bentham~~). Brazil. Bolivia.

Illustrations: Aubl. loc. cit. pl. 355; DC. loc. cit. pl. 60.

8. Toumatea pachyphylla (Harms) Britton, ined.

Swartzia pachyphylla Harms, Notizb. Bot. Gart. Berlin, 6: 310. 1915.

Type locality: Roraima, Venezuela or British Guiana.

Distribution: Known to me only from description of the type
specimen.

9. Toumatea myrtifolia (Smith) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia myrtifolia Smith, in Rees Cyclop. 34: no. 5. 1819.

Type locality: Caracas, Venezuela.

Distribution: Venezuela (See Pittier, Arb. & Arb. Leg. 100);
Colombia (ex Bentham). Brazil. See Guatemala specimen.

Note. Not certainly identified in New York Herb. June, 1928.

Not identified in New York Herb. June, 1928.

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10. Toumatea picta (Spruce) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia picta Spruce in Mart. Fl. Bras. 15²: 25. 1870.

Type locality: Monte Imei, Rio Negro, Venezuela.

Distribution: Known ~~to me~~ only from ~~description of the type~~
specimen. *locality*

11. Toumatea crocea (Benth.) Taubert, Bot. Centr. 47: 390. 1891.

Mimosa crocea Benth. in Mart. Fl. Bras. 15²: 23. 1870.

Type locality: Rio de Janeiro, Brazil.

Distribution: Colombia (ex Benth.). Brazil. Central America
(ex Bentham)

Illustration: Vell. Fl. Flum. Ic. 11: pl. 17.

det. H. B. G. Lang. from Colombia det. 1892

11a. Toumatea guianensis Aubl. Pl. Guian. 1: 550. 1775.

Swartzia alata Willd. Sp. Pl. 2: 1220. 1799.

Type locality: Sinemear, French Guiana.

Distribution: Known to me only from description and
illustration.

Illustration: Aubl. loc. cit. pl. 218.

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12. Tounatea Persaudii Britton, provisional

Cara-cara Creek, British Guiana [Persaud 73]

✓ 13. Tounatea trinitensis (Urban) Britton, ined.

Swartzia trinitensis Urban, Symb. Ant. 5: 365. 1908.

Type locality: Maracas, Trinidad.

Distribution: Trinidad [Trin. Herb. 2382]

14. Tounatea dicarpa (Moric.) Taubert, Bot. Centr. 47: 391. 1891.

Swartzia dicarpa Moric.; Meissn. Gen. Pl. Comm. 68. 1838.

Swartzia dipetala Willd.; Vogel, Linnaea 11: 173. 1837.

Swartzia microstylis Benth. Journ. Bot. Hook. 2: 89. 1840.

Type locality: Bahia, Brazil.

Distribution: British Guiana (ex Benth); Venezuela (ex Pittier). Brazil.

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 11, f. 1.

15. Tounatea Benthamiana (Miquel) Taubert, Bot. Centr. 47: 390. 1891.

Swartzia Benthamiana Miquel, Stirp. Surin 15. 1850.

Type locality: Surinam.

Distribution: French Guiana [From Paris Herb.] Dutch Guiana
(ex Benth). Brazil.

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16. Toumatea leiocalycina (Benth.) Taubert, Bot. Centr. 47: 391. 1871.

Swartzia leiocalycina Benth. in Mart. Fl. Bras. 15²: 28. 1870.

Type locality: Wancova, Essequibo River, British Guiana.

Distribution: Known to me only from description of the type specimen.

17. Toumatea (?) sericea (Vogel)

Swartzia sericea Vogel, Linnaea 11: 176. 1837.

Type locality: French Guiana.

Distribution: French Guiana (ex Vogel). Brazil (~~ex Benth~~)

Illustration: Benth. in Mart. Fl. Bras. 15²: pl. 10.

Note. Not taken up by Taubert in Bot. Centr. 47: 390-392.

18. Toumatea argentea (Spruce) Taubert, Bot. Centr. 47: 390. 1891.

Swartzia argentea Spruce; Benth. in Mart. Fl. Bras. 15²: 31. 1870.

Type locality: Rio Negro, Brazil.

Distribution: Venezuela (ex Pittier). Brazil (~~ex Benth~~)

19. Toumatea latifolia (Benth.) Taubert, Bot. Centr. 47: 301. 1891.

Swartzia latifolia Benth. Journ. Bot. Hook. 2: 86. 1840.

Type locality: British Guiana.

Distribution: Known to me only from description of the type specimen.

20. Toumatea corrugata (Benth.) Taubert, Bot. Centr. 47: 390. 1891.

Swartzia corrugata Benth. Journ. Bot. Hook. 2: 87. 1840.

Type locality: Borba, Brazil.

Distribution: French Guiana (ex Bentham). Brazil.

Note. ~~Not in New York Herbarium, June, 1928.~~

21. Toumatea leptopetala (Benth.) Taubert, Bot. Centr. 47: 391. 1891.

Swartzia leptopetala Benth. Journ. Bot. Hook. 2: 87. 1840.

Type locality: Borba, Brazil.

Distribution: Cassiquiare, Venezuela (ex Bentham) Brazil.

22. Toumatea cardiosperma (Spruce) Taubert, Bot. Centr. 47: 391. 1891.

Swartzia cardiosperma Spruce; Benth. in Mart. Fl. Bras. 15²: 390.
1870.

Type locality: Rio Negro, near San Carlos, Venezuela.

Distribution: Known to me ~~only from description.~~ *only from the type locality*

23. Toumatea Panacoco (Aubl.) Baill. Hist. Pl. 2: 233. 1870.

Robinia Panacoco Aubl. Pl. Guian. 2: 768. 1775.

Robinia tomentosa Willd. Sp. Pl. 3: 1131.

Swartzia tomentosa DC. Mem. Leg. 409. 1825.

Swartzia polyanthera Steud. Flora 737. 1843.

Type locality: Cayenne

Distribution: French Guiana [Sagot; Melinon]; Dutch Guiana

[Hostmann 1267]

Illustrations: Aubl. loc. cit. pl. 307; DC. loc. cit. pl. 59;
Baill. Hist. Pl. 2: f. 201, 202.

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24. Toumatea aptera (DC.) Taubert, Bot. Centr. 47: 390. 1891.

Swartzia aptera DC. Mem. Leg. 405.

Type locality: Cayenne.

Distribution: French Guiana (Ex DC.). Brazil (ex Benth)

Note. Known to me from description only.

25. Toumatea polyphylla (DC.) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia polyphylla DC. Mem. Leg. 411. 1825.

Type locality: Cayenne.

Distribution: Known to me only from description.

26. Toumatea Sprucei (Benth.) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia Sprucei Benth. in Mart. Fl. Bras. 15²: 37. 1870.

Type locality: Cassiquiare, Venezuela.

Distribution: Cassiquiare and Pacimoni, Venezuela (~~ex Benth~~;
~~ex Pittier~~). ~~Known to me from description only.~~

27. Toumatea Schomburgkii (Benth.) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia Schomburgkii Benth. in Mart. Fl. Bras. 15²: 38. 1870.

Type locality: British Guiana.

Distribution: British Guiana [Schomburgk 894; Jenman 4775]

✓ 28. Toumatea pinnata (Willd.) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia pinnata Willd. Sp. Pl. 2: 1220. 1799.

Type locality:

Distribution: Trinidad [Britton & Hazen 1044; Britton, Hazen & Mendelson 1096]; Venezuela [Broadway 449]

29. Toumatea acuminata (Willd.) Taubert, Bot. Centr. 47: 390. 1891.

Swartzia acuminata Willd.; Vogel, Linnaea 11: 173. 1837.

Type locality: Brazil.

Distribution: San Carlos, Rio Negro, Venezuela (ex Bentham; ex Pittier). Brazil.

Note. Known to me only from description.

30. Toumatea Trianae (Benth.) Taubert, Bot. Centr. 47: 392. 1891.

Swartzia Trianae Benth. in Mart. Fl. Bras. 15²: 39. 1870.

Type locality: Tocaima, Bogota, Colombia.

Distribution: Colombia and Brazil (ex Bentham). Known to me from description only. [not at all in the same sense as det. 1892]

Toumatea minuta Gleason (Klein & L.)

Toumatea minuta Gleason Klein & L. ex Gleason det. Nees & L. 21: 408, 1276

Same locality as Toumatea.
Not for Toumatea? Toumatea Toumatea.
Note as Toumatea Toumatea Toumatea

36. *Junco aspera* *maculosa* H. & A.
Collected in (Mexico 4620)

37. *Junco aspera* *leucostris* (H. & A.)
Collected in (Oregon 41)

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31. Touatea alterna (Benth.) Taubert, Bot. Centr. 47: 390. 1891.

Swartzia alterna Benth. Journ. Bot. Hook. 2: 89. 1840.

Type locality:

Distribution: British Guiana and Brazil (ex Benth)

Note. ~~Not in New York Herbarium, June, 1928.~~ This genus?

Touatea alterna (Benth.) Taubert
Not in New York Herbarium, June 1928

32. Touatea ? brachystachya (DC.)

Swartzia brachystachya DC. Mem. Leg. 408. 1825.

Type locality: Cayenne

Distribution: Known to me only from description. See Benth.
in Mart. Fl. Bras. 15²: 39. This genus? Not taken up by Taubert in
Centr. 47: 390-392.

Touatea brachystachya (DC.) Taubert
Swartzia brachystachya (DC.) Taubert
Not in New York Herbarium, June 1928
Not in New York Herbarium, June 1928

33. Touatea Lengii Britton, provisional

Upper Mazaruni River, British Guiana [Leng 115]

34. Touatea Gleasonii Britton, provisional

British Guiana Gleason 425 type; 354

35. Touatea berbiceana Britton, provisional

Berbice - Rupernuni Trail, British Guiana [Abraham 215]

Touatea *berbiceana* (Britton) Abraham
Not in New York Herbarium, June 1928
Not in New York Herbarium, June 1928

562 *Dicyna* *de* *Pruce*

Type species: *Dicyna* *longirostris* *Pruce*

1. *Dicyna* *altavici* *Sandwith*, *New Bull.*
1928: 371. 1928.

Type locality: Auande River, Kopynara
River, British Guiana

Distinction: Known only from the
type locality.

2. *Dicyna* *fermami* *Sandwith*, *New*
Bull. 1928: 373. 1928

Type locality: Kae-tu River, Kopynara
River, British Guiana [known 1006]

Distinction: Known only from the
type locality.

Aldina *budd*

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Type species: *Aldina insignis*

57 *Aldina* in northern South America

1. *Aldina insignis* (Benth.) Endl. in Walp. Rep. 1: 843. 1842.

Allonia insignis Benth. Journ. Bot. Hook. 2: 91. 1840.

Type locality: Upper Essequibo River, British Guiana.

Distribution: British Guiana Jenman [5247] - *Paulownia* -

58 Cyathostegia in northern South America

1. Cyathostegia Pachanoi Rose

[^vmed]

Ecuador [Rose, Pachano & Rose 23338 type; Hitchcock 21333]

apposity?

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